User Manual

MOBI™ Access Card

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Chapter 1
Introduction

This chapter describes that which should be confirmed before using Mobi™ Access Card.

Main Unit

Antenna

- Please adjust direction and angle according to the state of signal strength.
- Don't use too much force to adjust antenna direction or angle. It could damage the antenna.

POW/ALM LED

It indicates state of iBurst. (P.6)

Status LED

It indicates state of iBurst. (P.6)

PC Card Connector

Connection with PC

In order to use Mobi™ Access Card, your computer must satisfy the following requirements:

- PC Card Slot-Type compliant with PC Card Standard 95 or later.
- PC-AT Compatible PC running WindowsXP/2000/Me/98Se or Mac OS X(MacOSX v10.1.5 or later).

How to connect

If this is the first time that Mobi™ Access Card is to be used on your computer, it is necessary to install the device driver first. (Refer to "Mobi™ Software installation" on page 9).

The following describes the procedure how to connect Mobi™ Access Card with your computer.

1 Turn on the power to the computer.

2 Insert Mobi™ Access Card into the computer's PC Card Slot and make sure it is fully fitted in the slot.

3 Double click the icon of PC Card on the computer's task tray, and you should see the device name [iBurst Modem] in the hardware device list of the appearing PC Card dialog window.

How to remove

1 Double click the icon of PC Card on the computer's task tray, and click the [Stop] button in the appearing PC Card dialog window. Make sure that you select [iBurst Modem] in the PC Card dialog window before click the [Stop] button.

2 A popup dialog window with the message [Safe To Remove Hardware] should appear. Click the Ok button in the dialog window.

3 Remove Mobi™ Access Card from the computer's PC Card Slot.

LED Indicators

Mobi™ Access Card has two LED indicators, **Pow/ALM LED** indicator and **Status LED** indicator. The former indicates state of power to Mobi™ Access Card while the later indicates state of communication or signal strength of received signal. The following table shows the relation between the LED illumination patterns and Mobi™ Access Card states.

States	LED #1 (POW/ALARM)		LED #2 (STATUS)		
	Blue	Red	Green	Amber	Yellow
Power OFF	All LEDs Off - No LEDs illuminated				
Power ON	On				
Communicate with High Rx signal			Flashing		
Communicate with Low Rx signal					Flashing
No communicate with High Rx signal			ON		
No communicate with Low Rx signal					ON
No Rx Signal				ON	

LED illumination patterns

On : **Continuous illumination**

Flashing : **Blink (0.1s on / 0.1s off)**

Chapter 2
Setup Procedure

This chapter describes how to install Mobi™ software, then guides you how to make a network connection so as to use data communication service.

installation operation from the next connection.

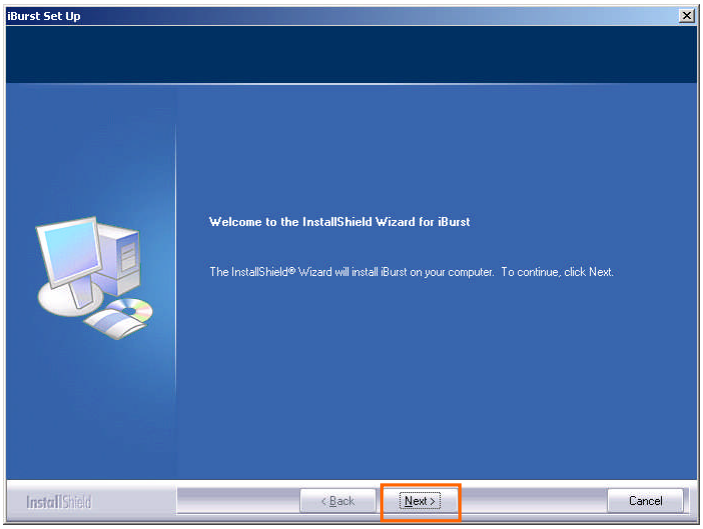
Installation for Windows 2000

1 Turn on the power to the computer.

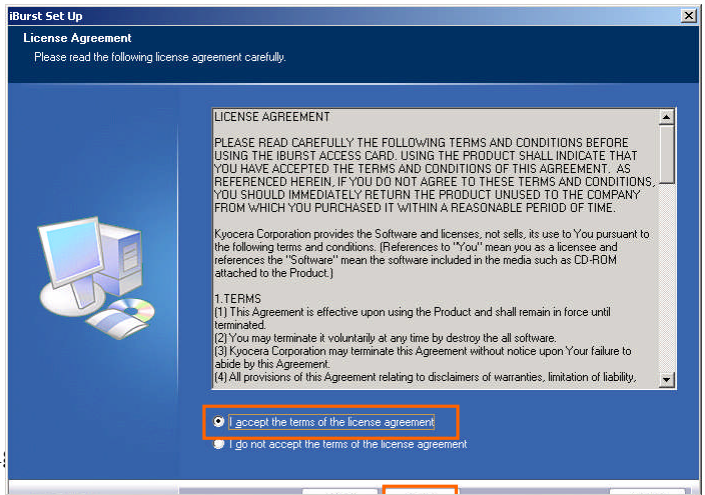
2 Insert the provided Software Utility CD into your CD-ROM drive.

Don't insert Mobi™ Access Card into your PC card slot when installation is running.

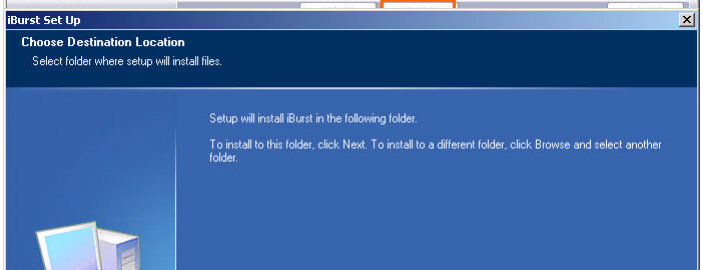
3 Mobi™ Setup starts, click the [Next] button.



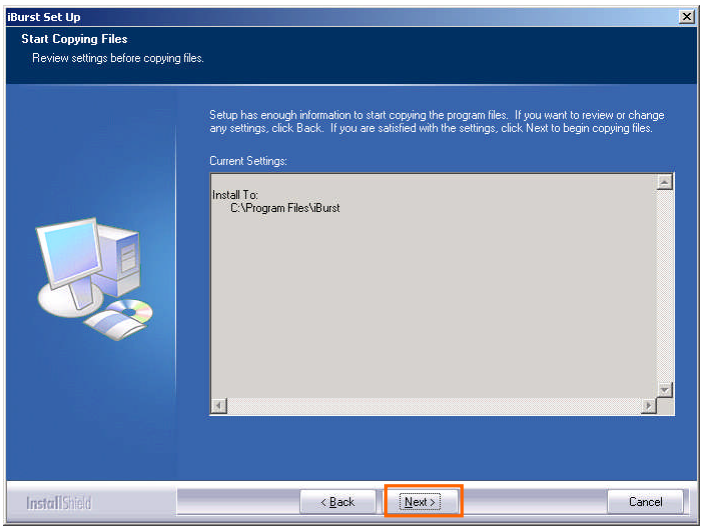
4 Select [I accept the terms the license agreement], click the [Next] button.



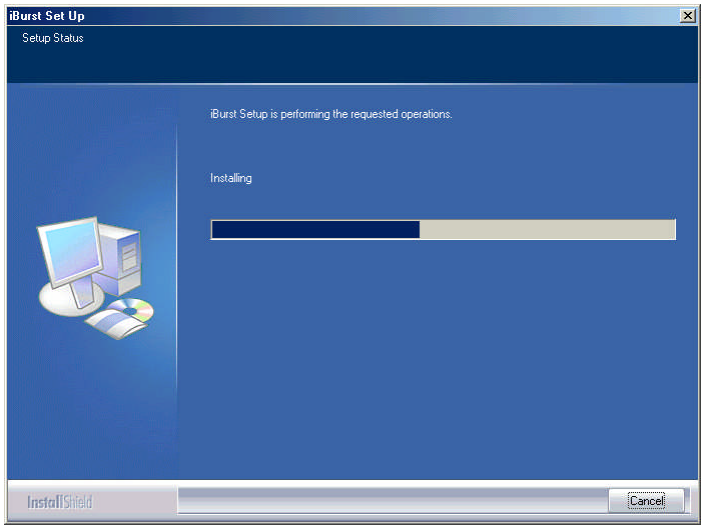
5 Click the [Next] button after appearin



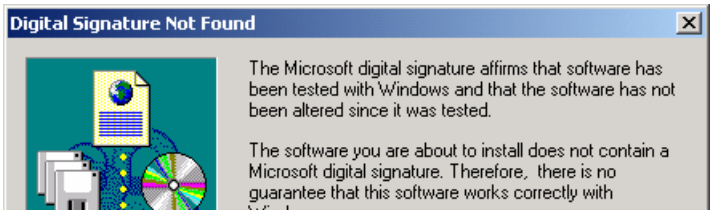
6 Click the [Next] button.



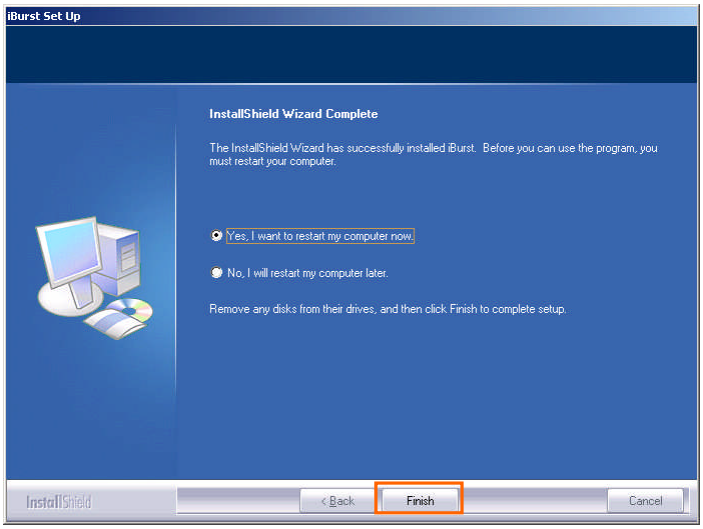
7 The following dialog window will appear, and installation of software begins.



8 Click the [Yes] button in the appearing dialog window as shown below.(The window [Digital Signature Not Found] maybe appears several times, click the [Yes] button in each window.)

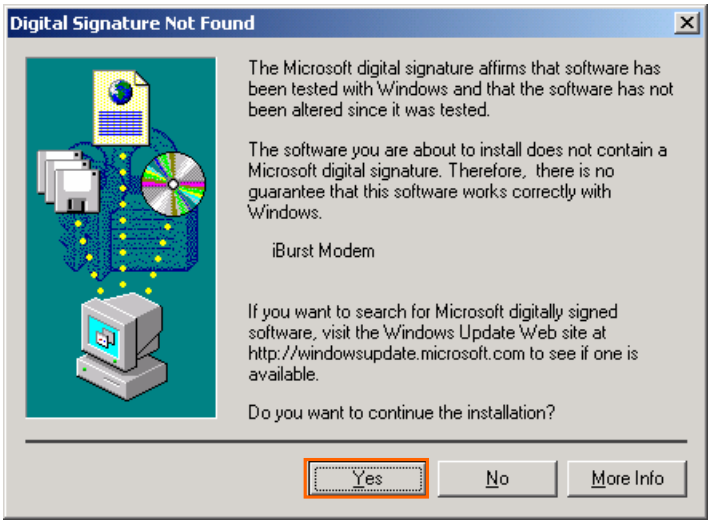


9 When the installing process finishes, the dialog window shown below will appear. Select “Yes,I want to restart my computer now” and Click the [Finish] button in the dialog window.



10 After the restart, insert Mobi™ Access Card into your PC card slot.

11 Click the [Yes] button in the appearing dialog window as shown below. (The window [Digital Signature Not Found] maybe appears several times, click the [Yes] button in each window.)



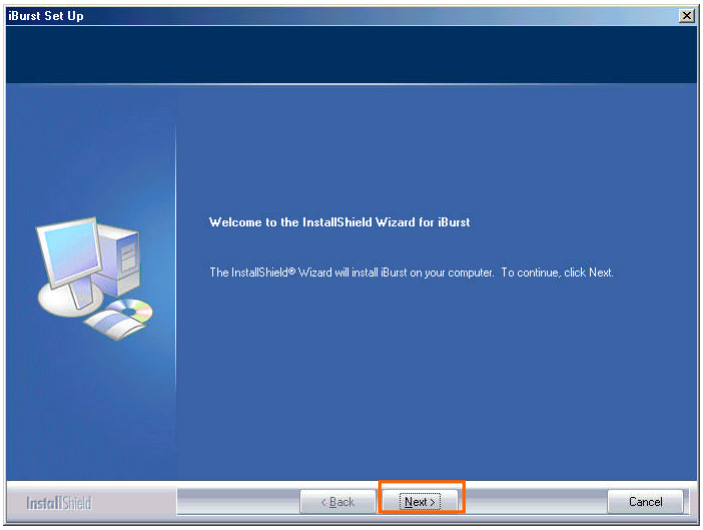
Installation for Windows Me

1 Turn on the power to the computer.

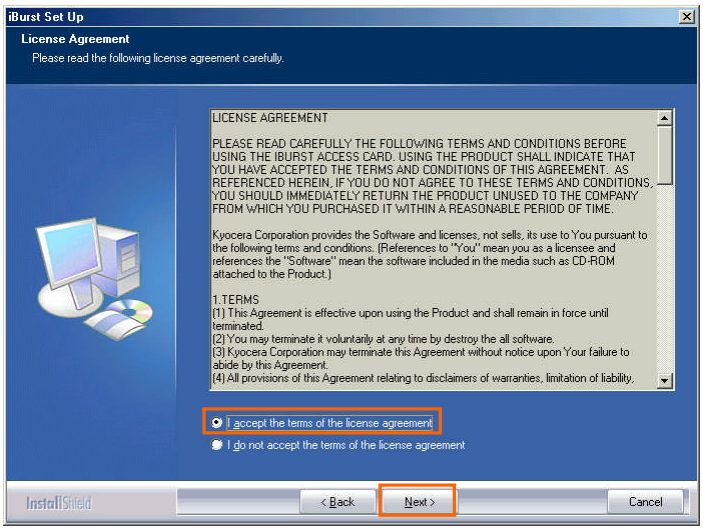
2 Insert the provided Software Utility CD into your CD-ROM drive.

Don't insert Mobi™ Access Card into your PC card slot when installation is running.

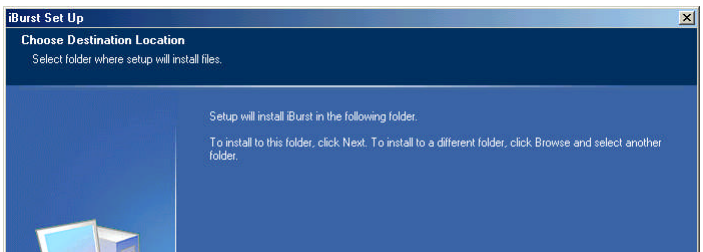
3 Mobi™ Setup starts, click the [Next] button.



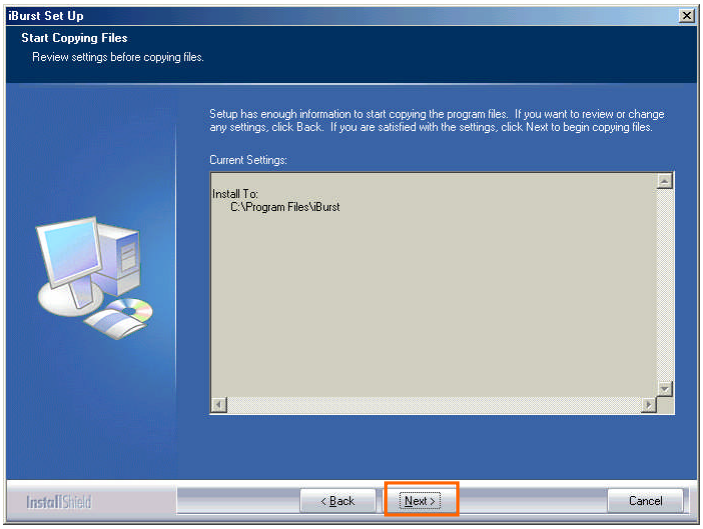
4 Select [I accept the terms the license agreement], click the [Next] button.



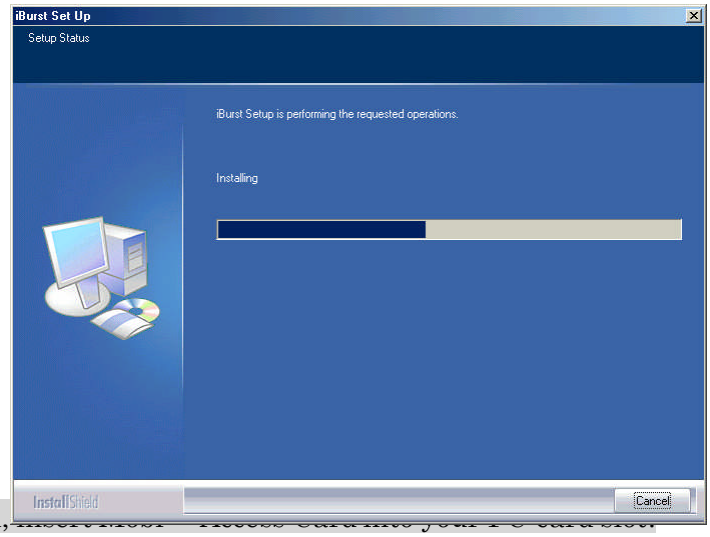
5 Click the [Next] button after appearing dialog window as shown below.



6 Click the [Next] button.



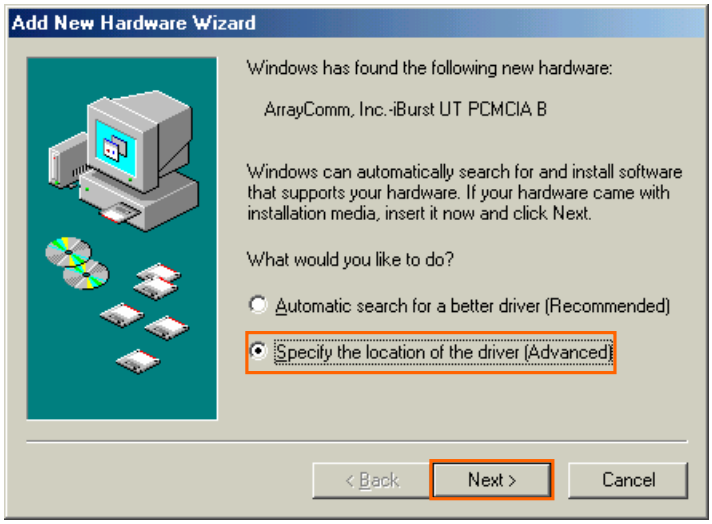
7 The following dialog window will appear, and installation of software begins.



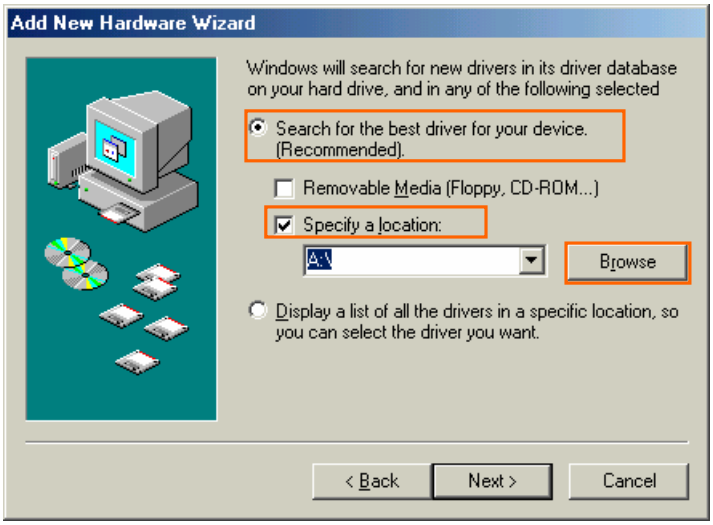
8 After software installation is finished, insert Mobi™ Access Card into your PC card slot.

9 If the operating system is able to recognize the inserted Mobi™ Access Card as a new installed

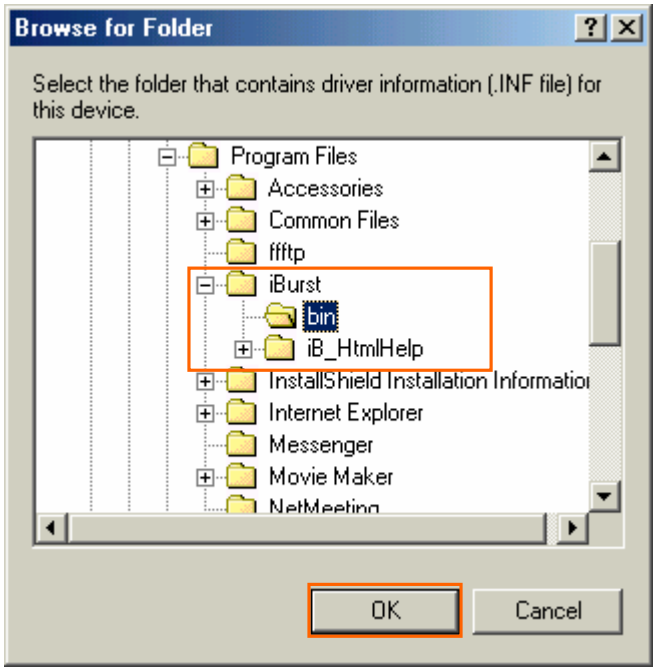
hardware, [Add New Hardware Wizard] will begin and the dialog window as shown below will appear. Select [Specify the location of the driver] and click the [Next] button in the dialog window.



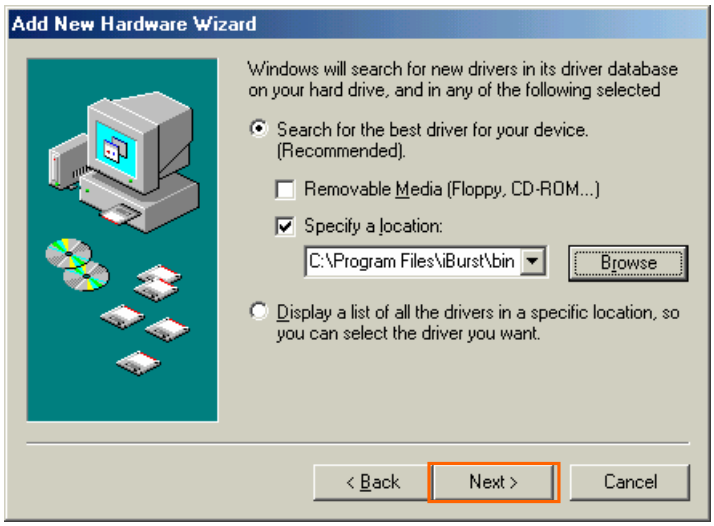
10 Select [Serach for the best driver in these location], Then, mark the check box labeled [Specify a location] and click the [Browse] button.



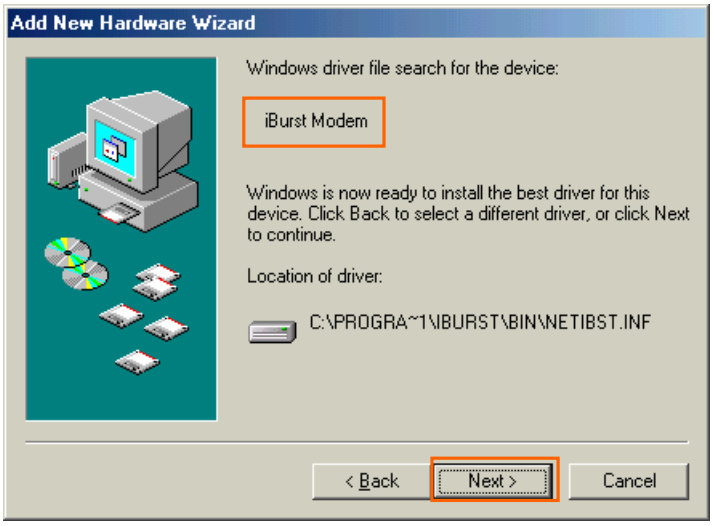
11 Select [C:|Program Files|iBurst|bin], and click the [OK] button.



12 Click the [Next] button.

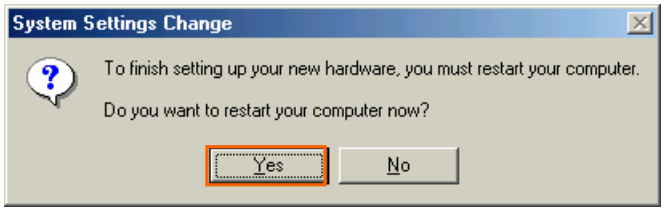


13 Make sure that the device name [iBurst Modem] is displayed in the dialog window, then click the [Next] button.

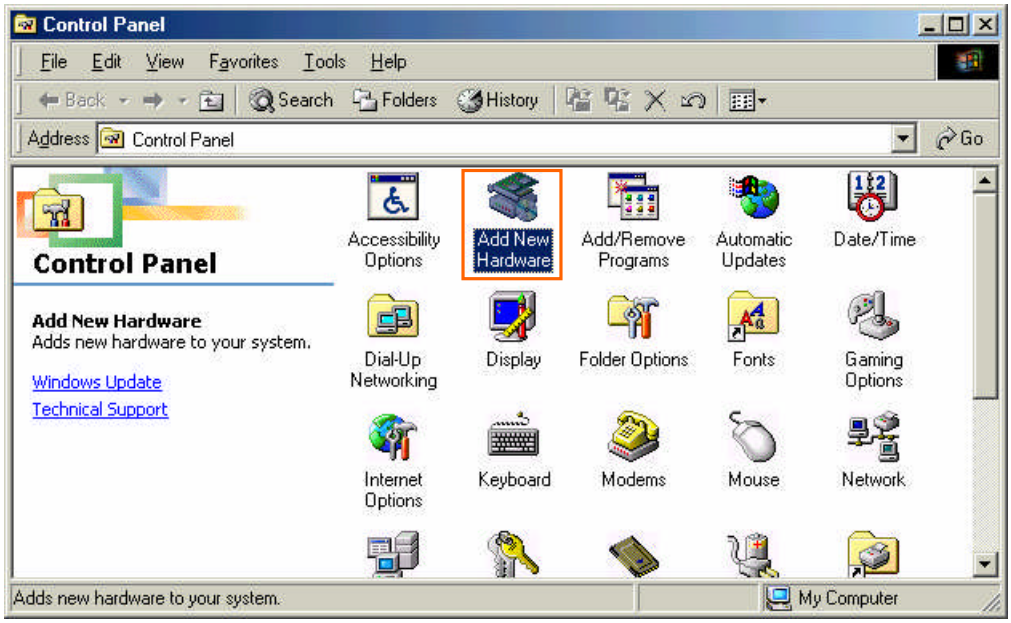


14 Click the [Finish] button.

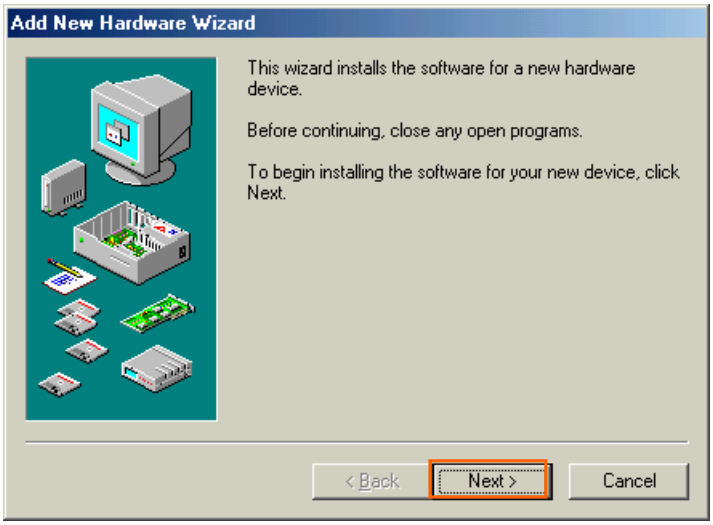
15 The dialog window shown below will appear,click the [Yes] button,and restart your PC.



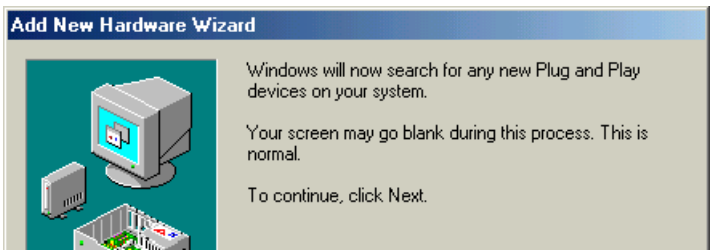
16 Click the [Start] button, followed by selecting [Control Panel] as shown below.
Click [Add New Haeware].



17 Click [Next].



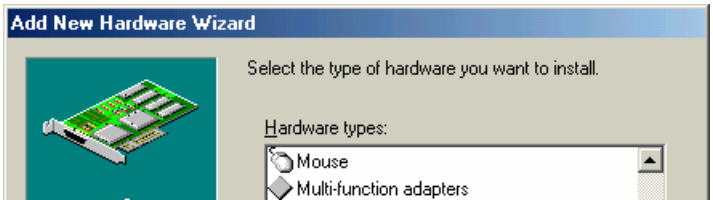
18 Click [Next].



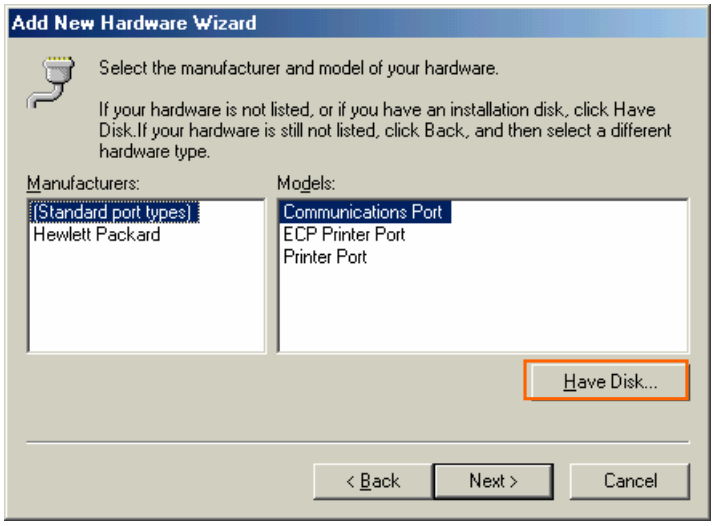
19 Check [No, the device isn't in the list], and click [Next].

20 Check [No, I want to select the hardware from a list], and click [Next].

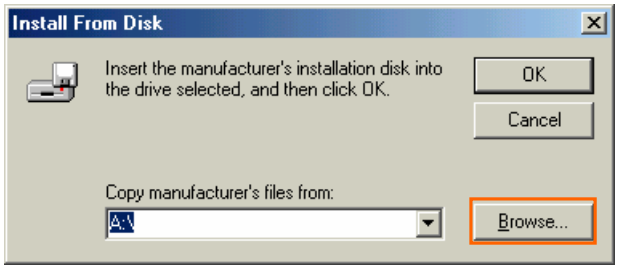
21 Select [Ports [COM & LPT]], and click [Next].



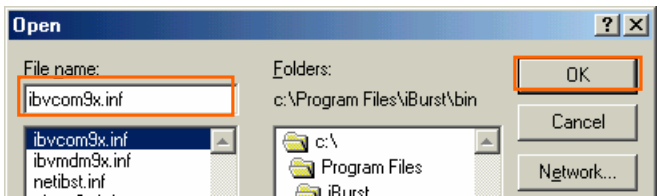
22 Click [Have Disk..] button.



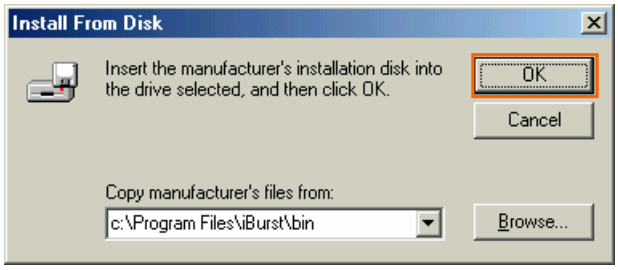
23 Click [Browse..] button.



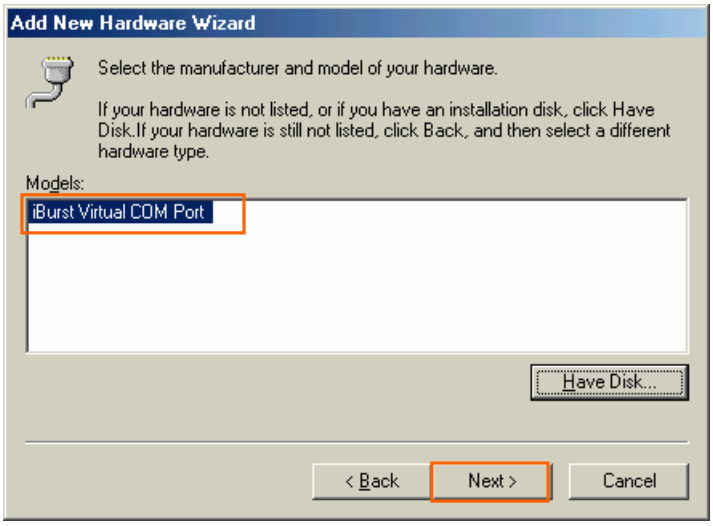
24 Select [C:|Program Files|iBurst|bin|ibvcom9x.inf],and click [OK].



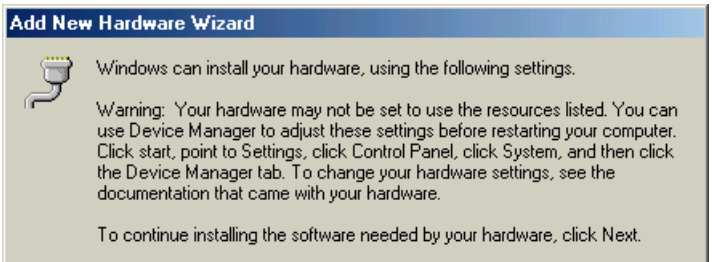
25 Click [OK].



26 Select [iBurst Virtual COM Port],and click [Next].

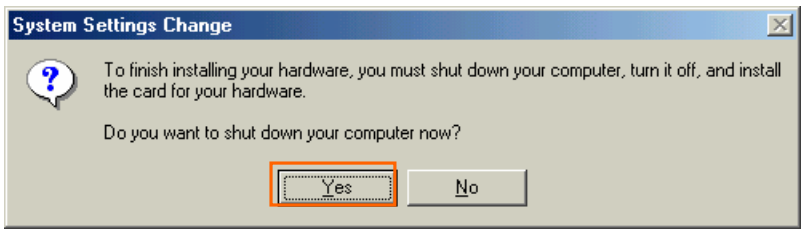


27 Click [Next].

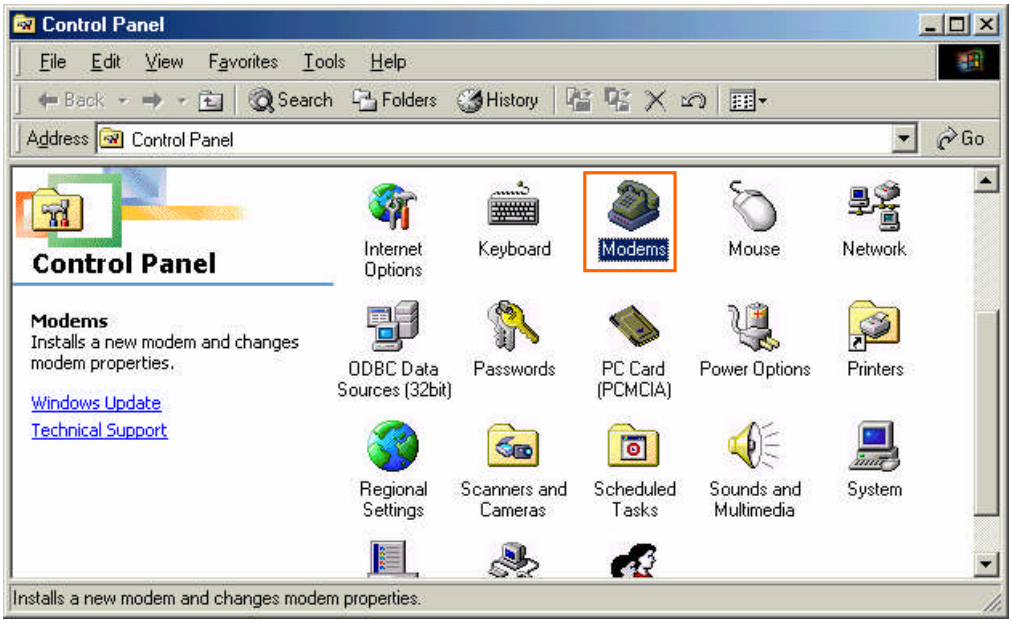


28 Click [Finish].

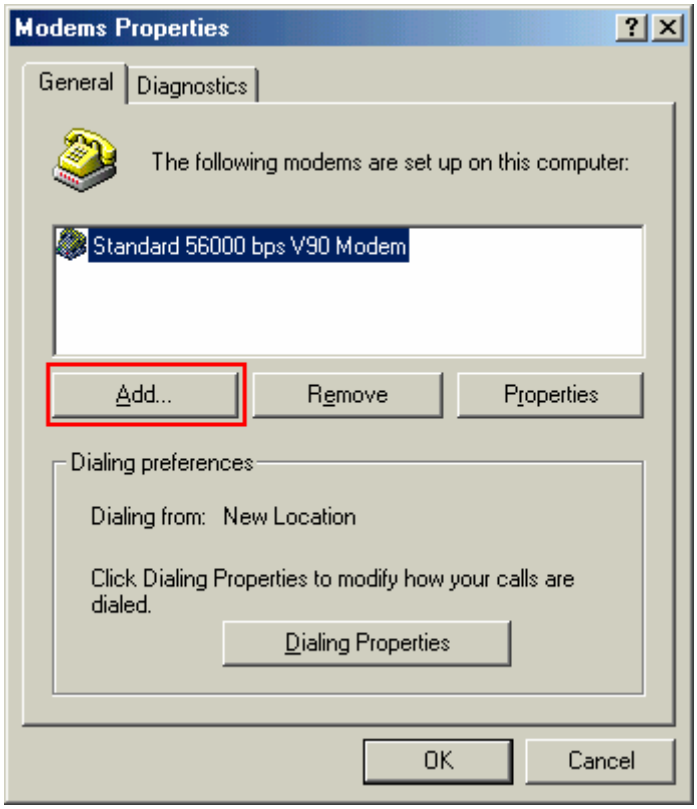
29 The dialog window shown below will appear,click the [Yes] button,and restart your PC.



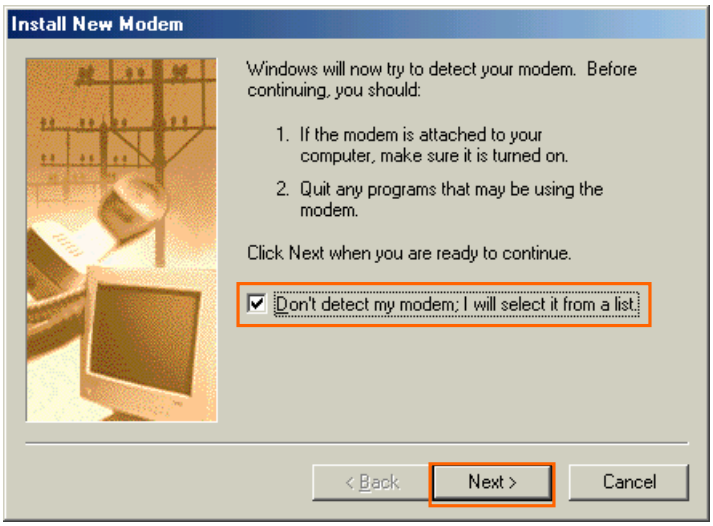
30 Click the [Start] button, followed by selecting [Control Panel] as shown below.
Click [Modems].



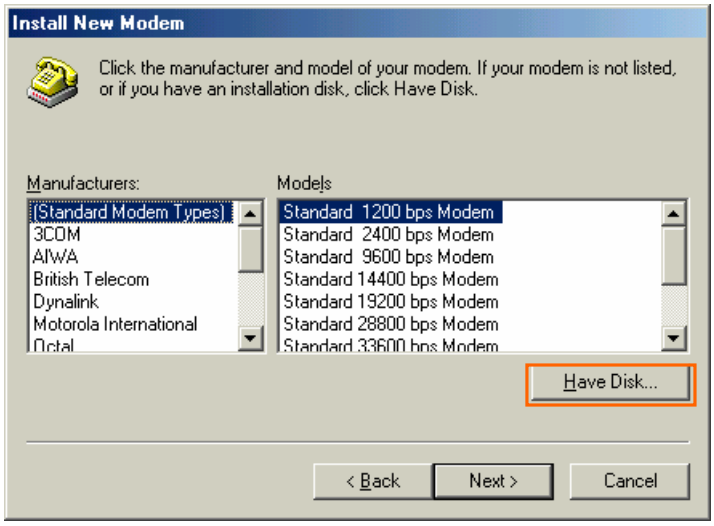
31 If the dialog window shown below appears, click the [Add] button.(If your computer has never had a modem, skip this step and go to next step [Install New Modem].)



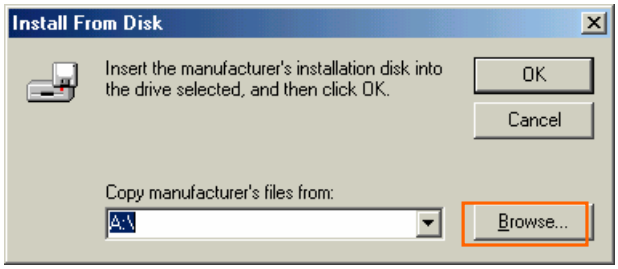
32 Check “Don’t detect my modem; I will select it from a list”, and click [Next].



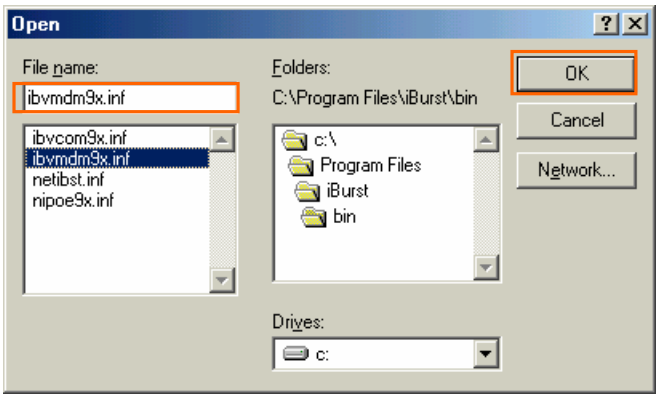
33 Click [Have Disk..] button.



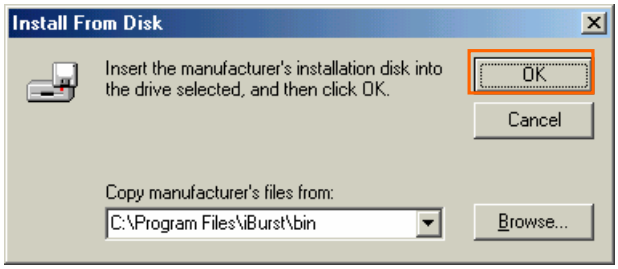
34 Click [Browse] button.



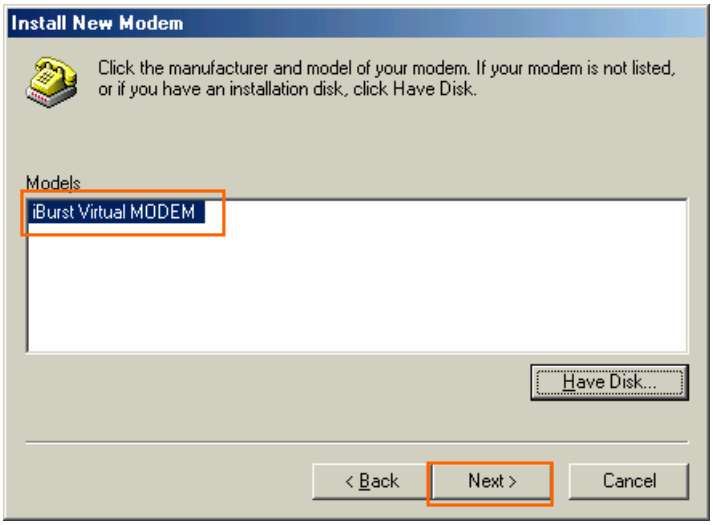
35 Select [C:|Program Files|iBurst|bin|ibvmdm9x.inf],and click [OK].



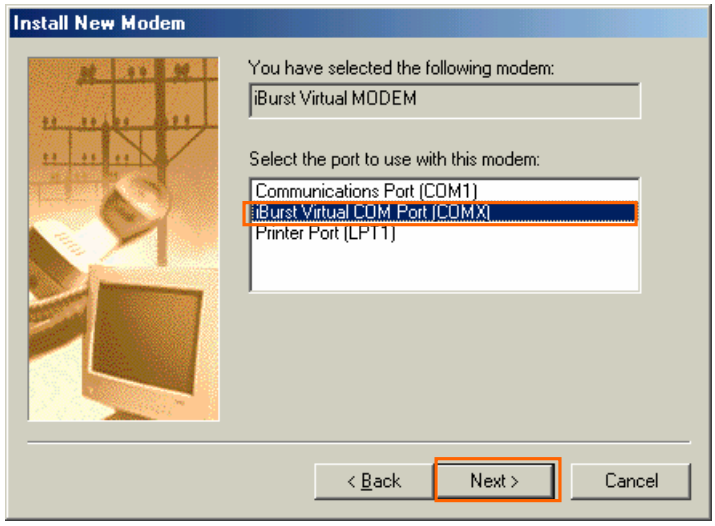
36 Click [OK].



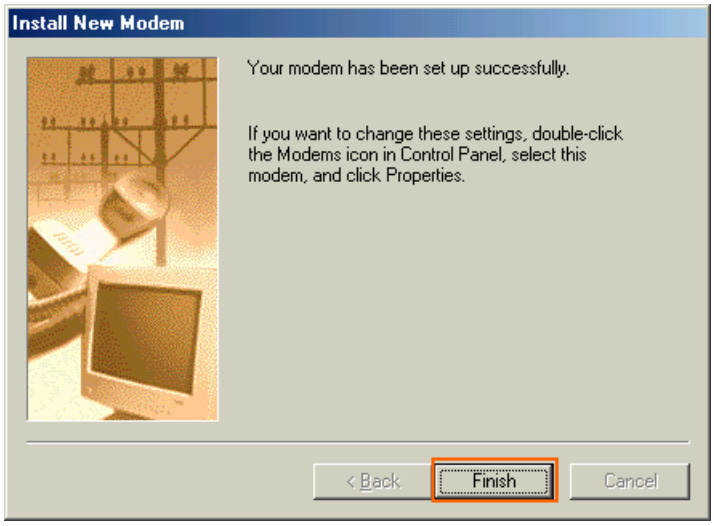
37 Select [iBurst Virtual MODEM], and click [Next].



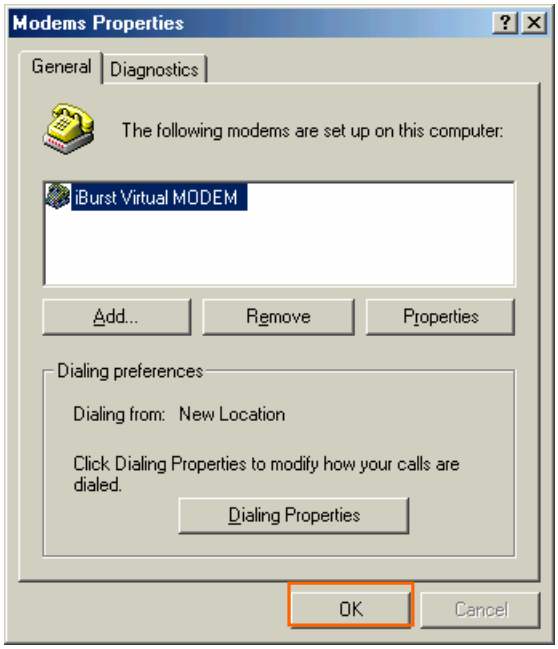
38 Select [iBurst Virtual COM Port (COM X)], and click [Next].



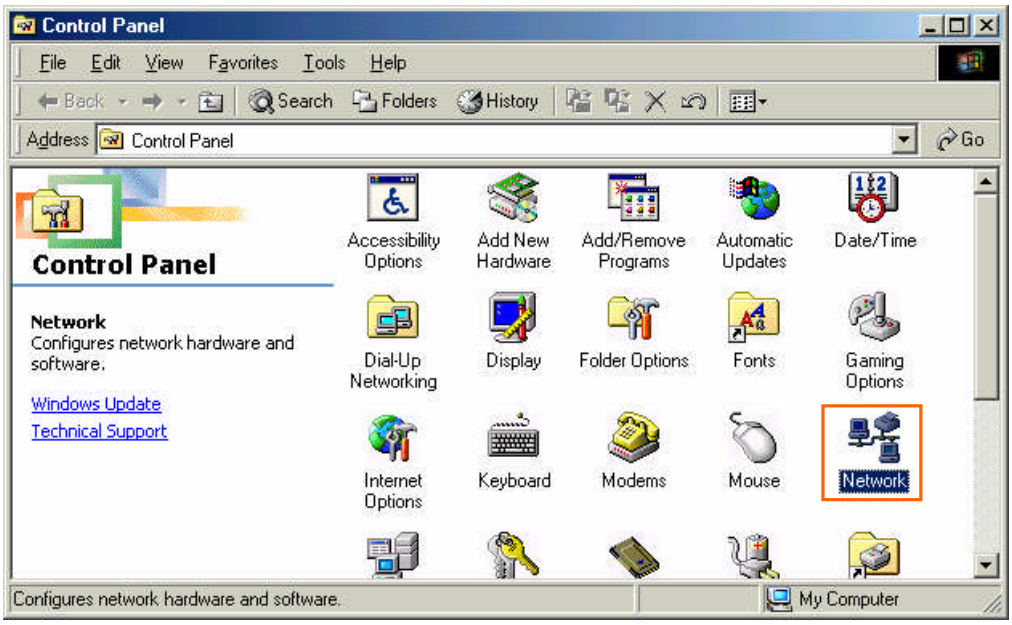
39 Click [Finish] button.



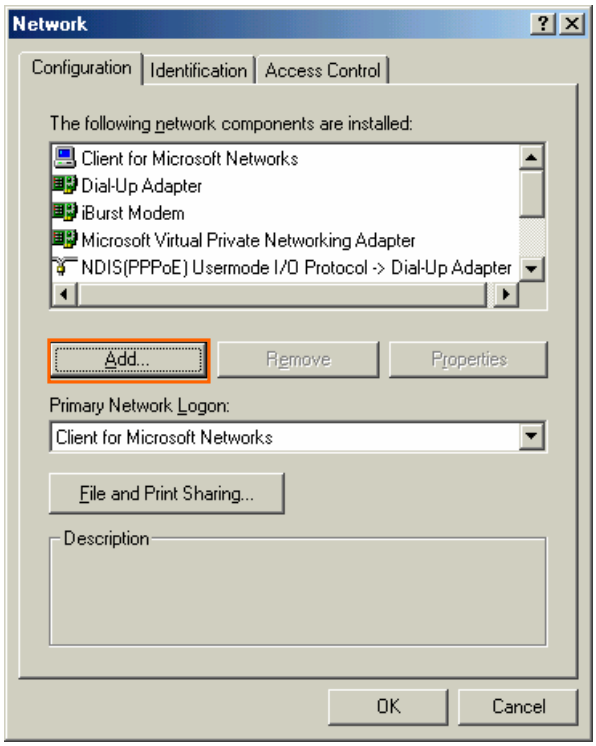
40 Click [OK] button.



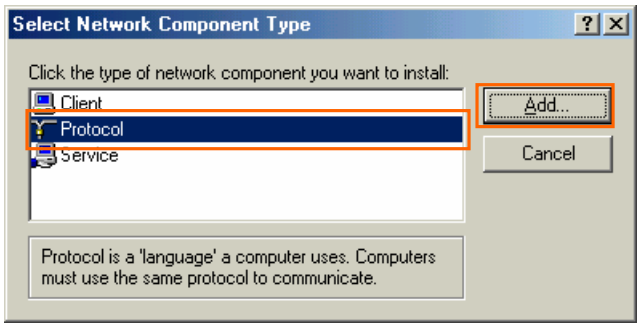
41 Click the [Start] button, followed by selecting [Control Panel] as shown below.
Click [Network].



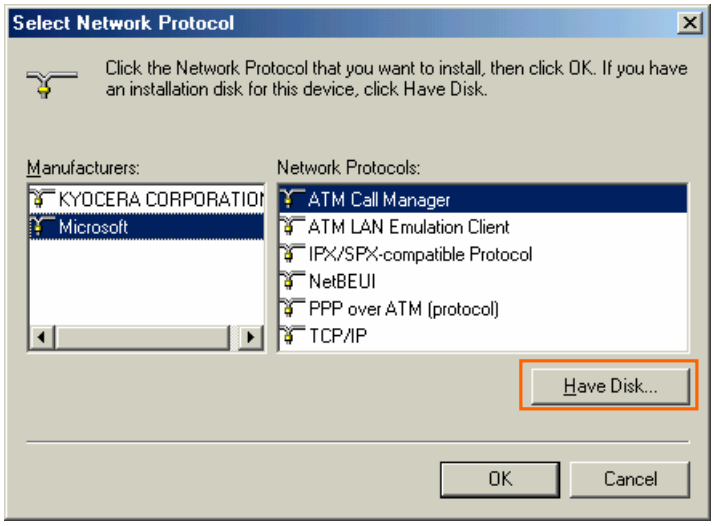
42 Click [Add] on Configulation tab.



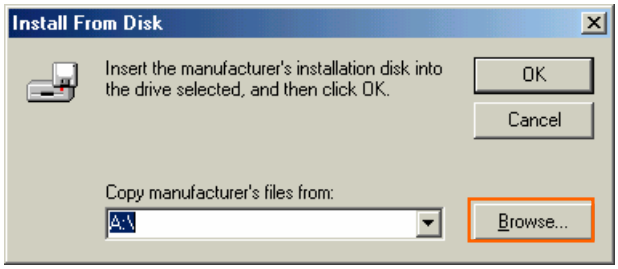
43 Select [Protocol] and click [Add…] button.



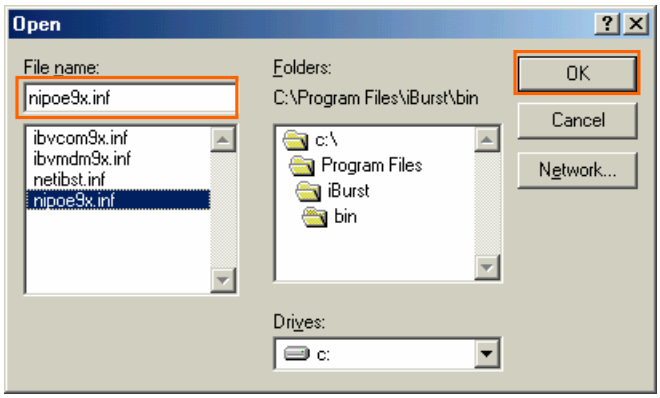
44 Click [Have Disk…] button.



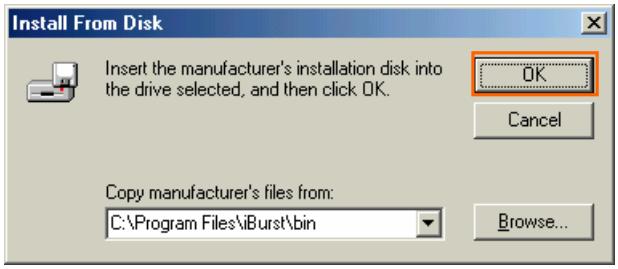
45 Click [Brouse] button.



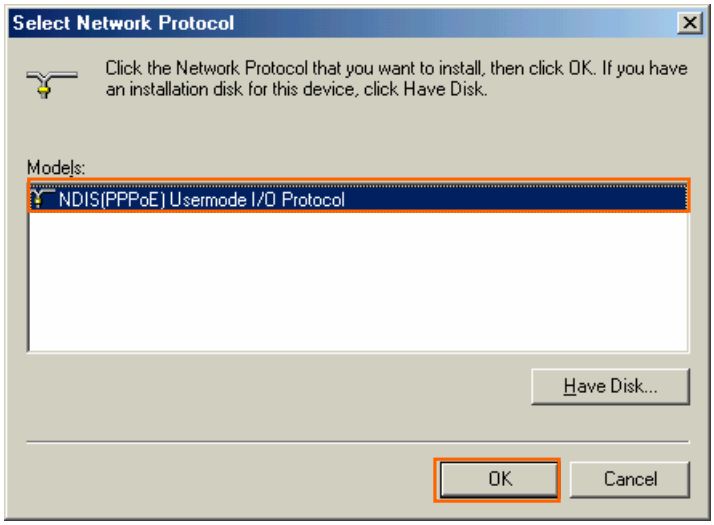
46 Select [C:|Program Files| iBurst|bin|nipoe9x.inf], and click the [OK] button.



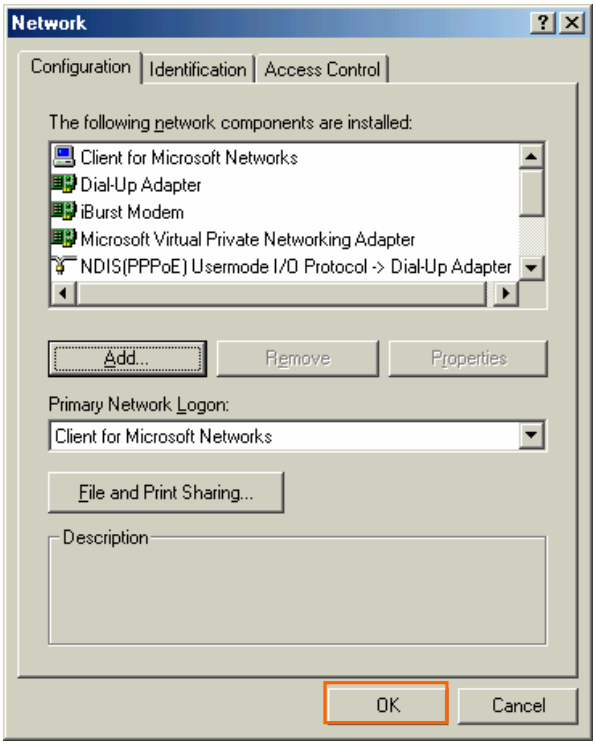
47 Click [OK] button.



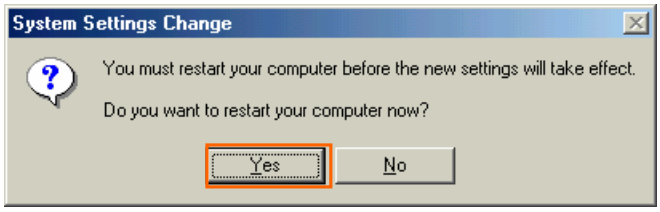
48 Select [NDIS[PPPoE] Usermode I/O Protocol], click [OK].



49 Click [OK] button.



50 The dialog window shown below will appear,click the [Yes] button,and restart your PC.



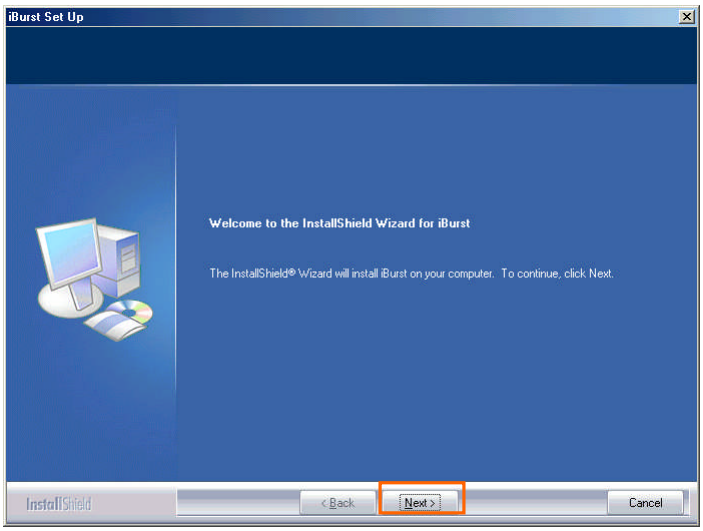
Installation for Windows98 Se

1 Turn on the power to the computer.

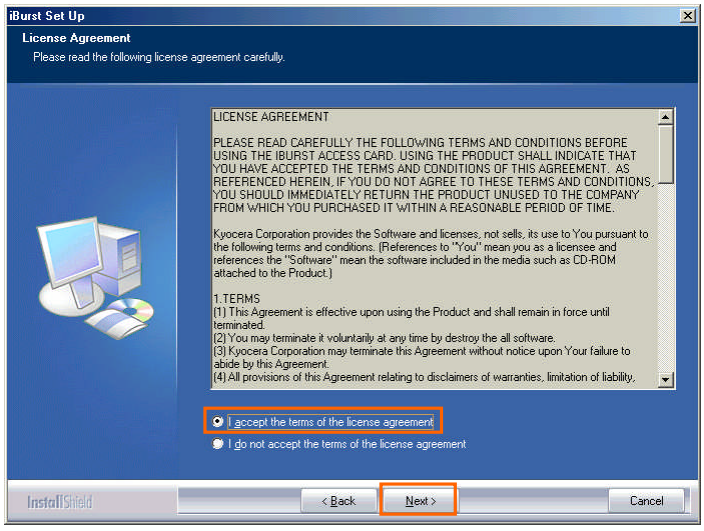
2 Insert the provided Software Utility CD into your CD-ROM drive.

Don't insert Mobi™ Access Card into your PC card slot when installation is running.

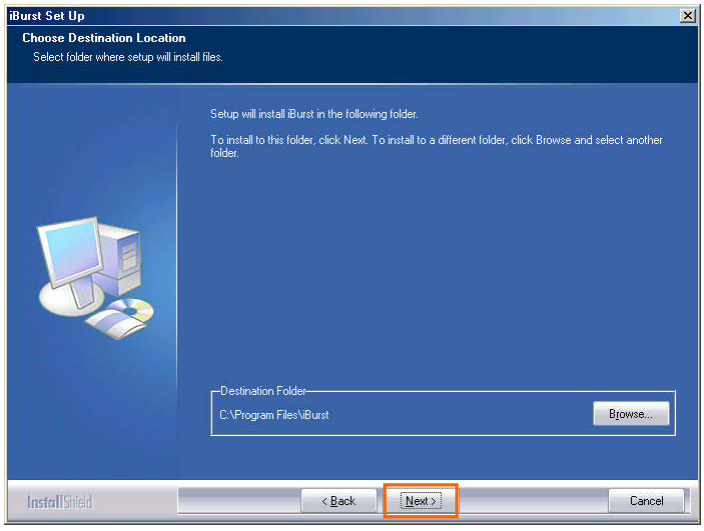
3 Mobi™ Setup starts, click the [Next] button.



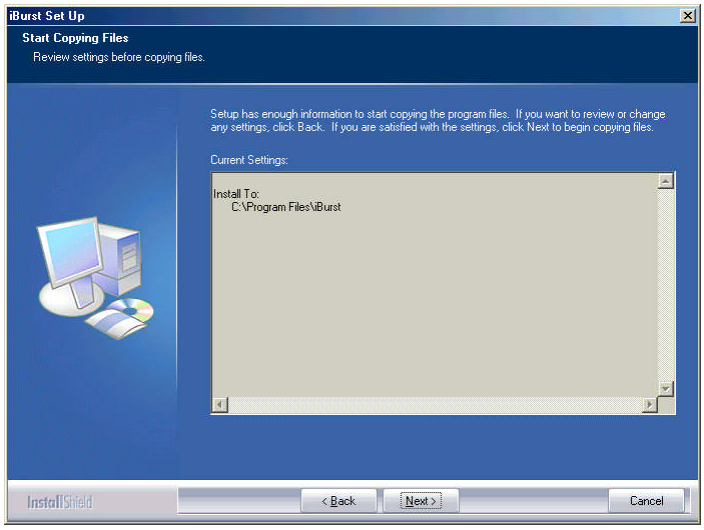
4 Select [I accept the terms the license agreement], click the [Next] button.



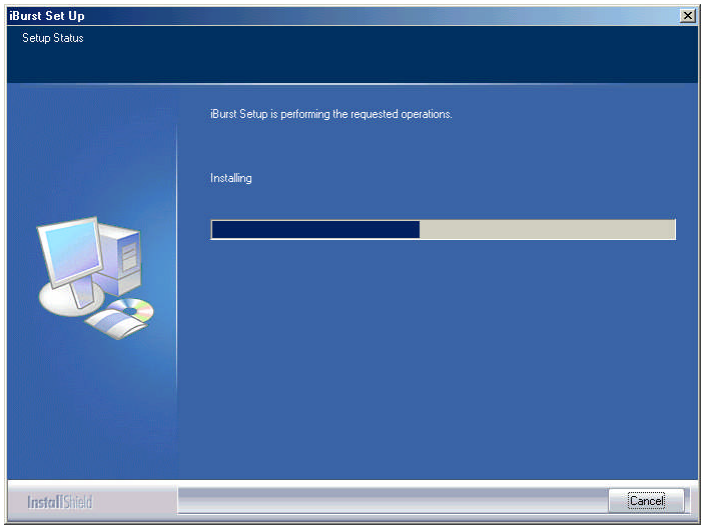
5 Click the [Next] button after appearing dialog window as shown below.



6 Click the [Next] button.

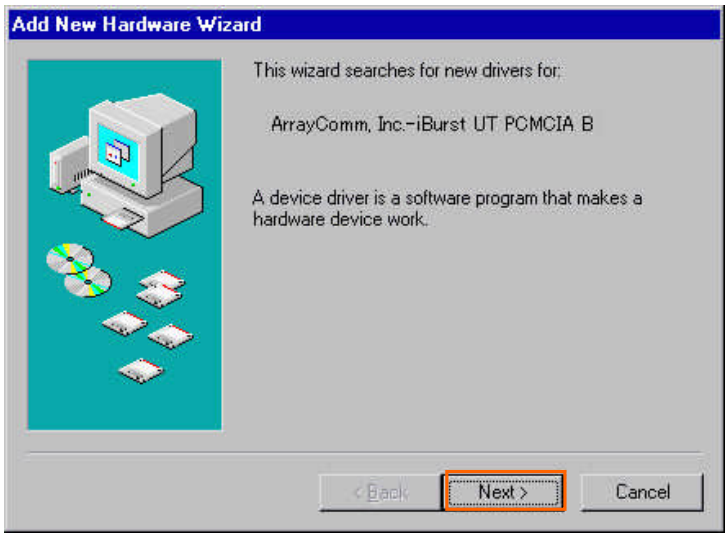


7 The following dialog window will appear, and installation of software begins.



8 After software installation is finished, insert Mobi™ Access Card into your PC card slot.

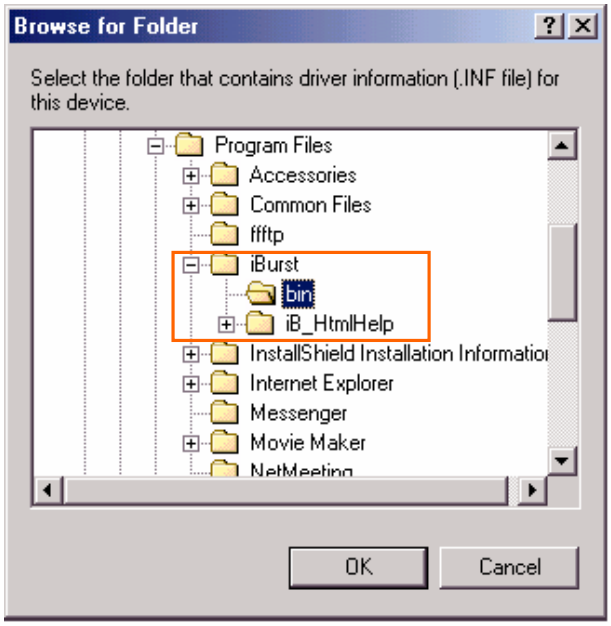
9 If the operating system is able to recognize the inserted Mobi™ Access Card as a new installed hardware, [Add New Hardware Wizard] will begin and the dialog window as shown below will appear. and click the [Next] button in the dialog window.



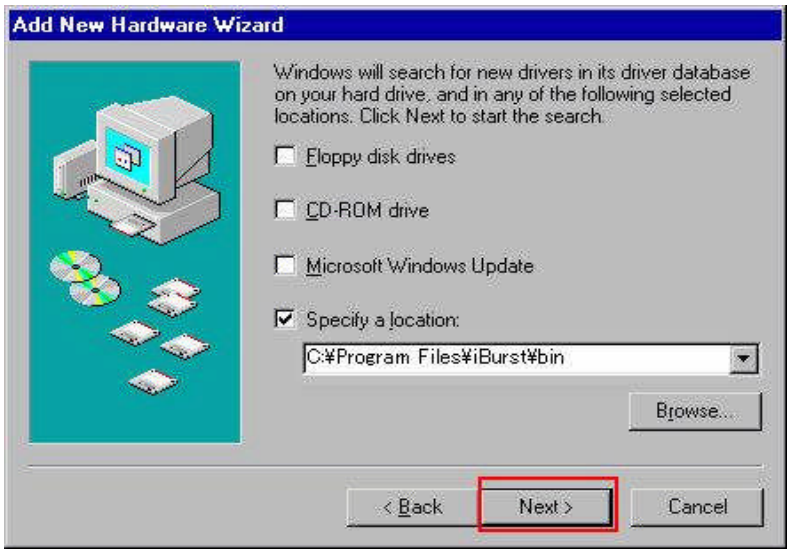
10 Select [Search for the best driver for your device.(Recommended)], and click [Next] button.

11 Then, mark the check box labeled [Specify a location] and click the [Browse] button.

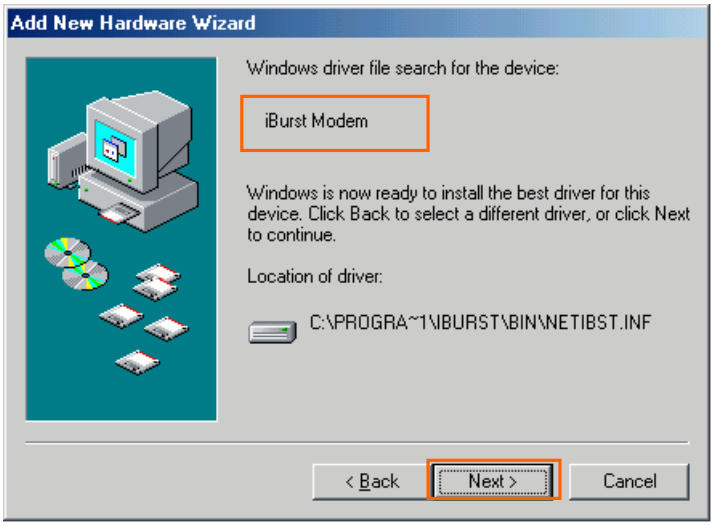
12 Select [C:|Program Files|iBurst|bin], and click the [OK] button.



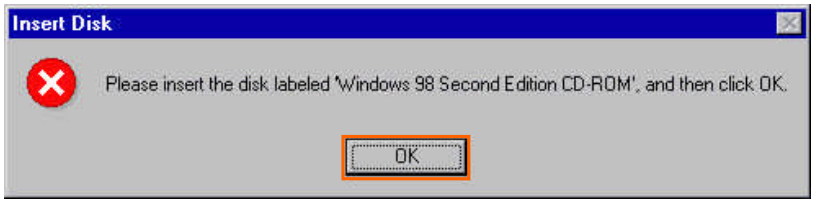
13 Click the [Next] button.



14 Make sure that the device name [iBurst Modem] is displayed in the dialog window, then click the [Next] button.

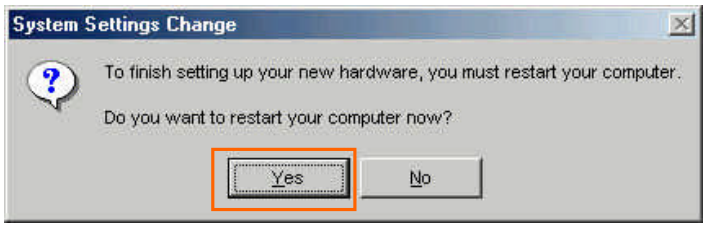


15 If the dialog window shown below appears,then insert [Windows98Se CD-ROM] into your PC and click the [OK] button.



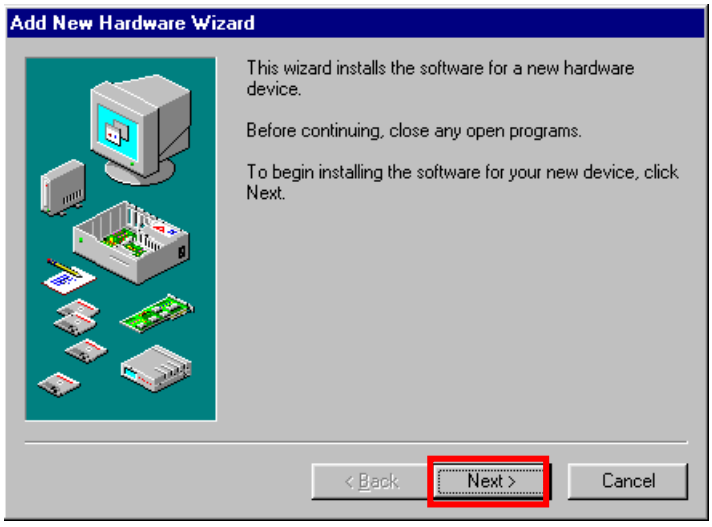
16 Click the [Finish] button.

17 The dialog window shown below will appear,click the [Yes] button,and restart your PC.

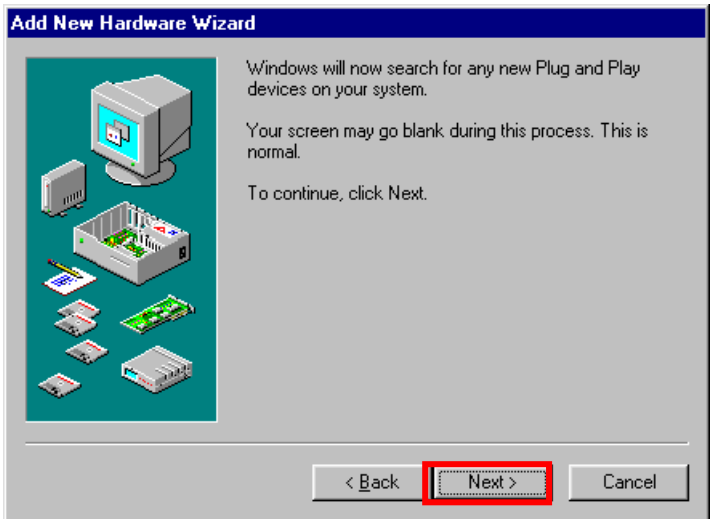


18 Click the [Start] button, followed by selecting [Control Panel] as shown below.
Click [Add New Haeware].

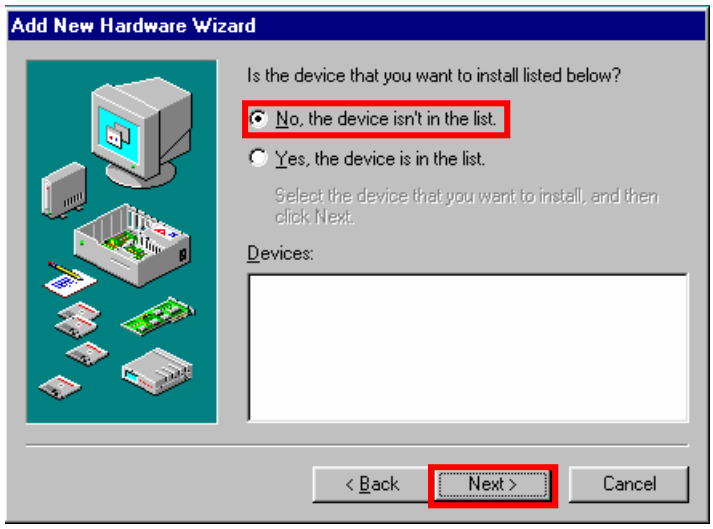
19 Click [Next].



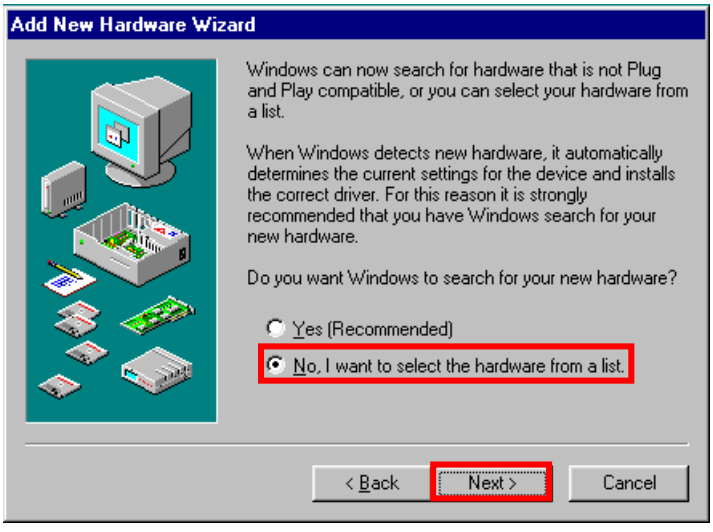
20 Click [Next].



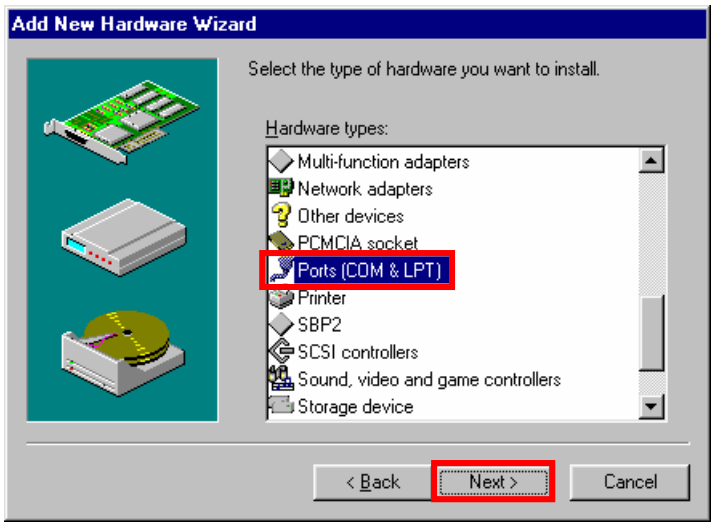
21 Check [No, the device isn't in the list], and click [Next].



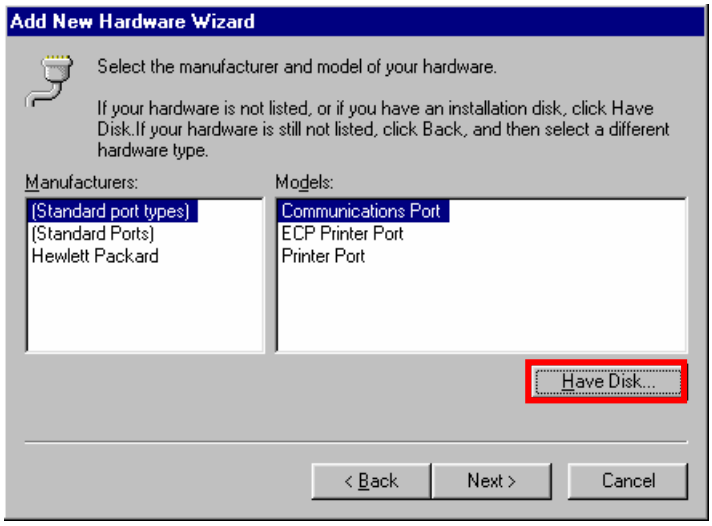
22 Check [No,I want to select the handware from a list.], and click [Next].



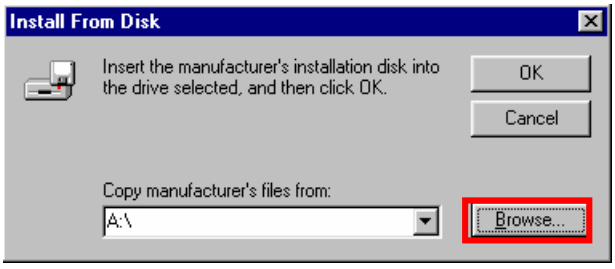
23 Select [Ports [COM & LPT]], and click [Next].



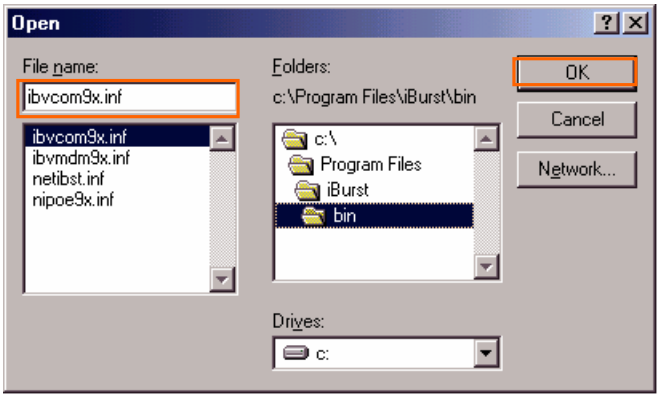
24 Click [Have Disk..] button.



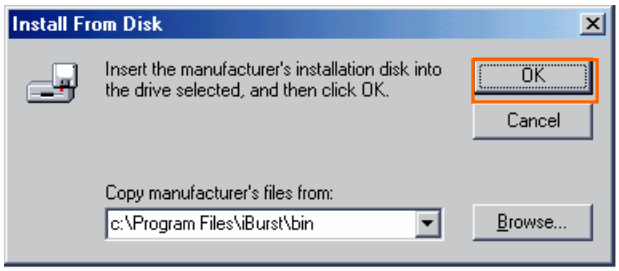
25 Click [Brouse..] button.



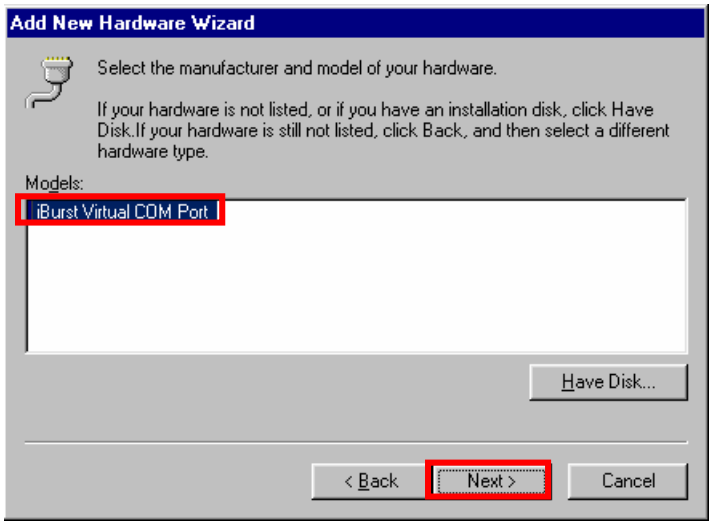
26 Select [C:|Program Files|iBurst|bin|ibvcom9x.inf],and click [OK].



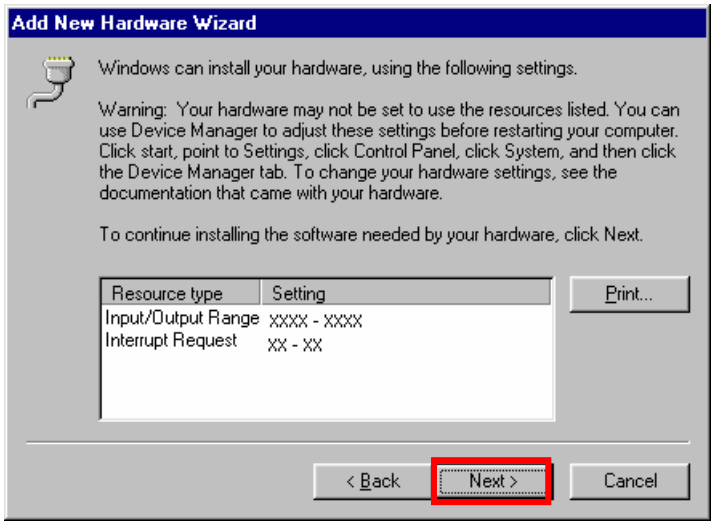
27 Click [OK].



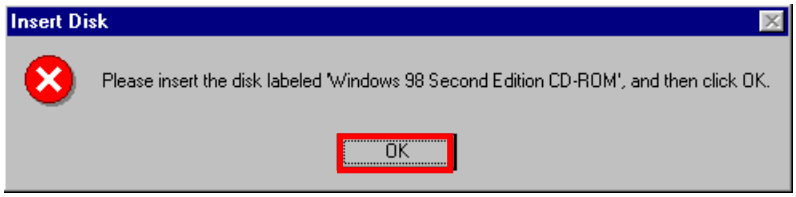
28 Select [iBurst Virtual COM Port],and click [Next].



29 Click [Next].

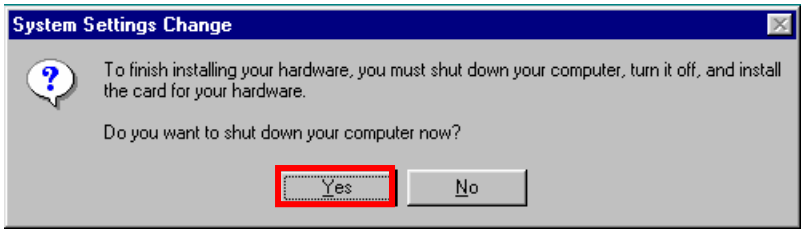


30 If the dialog window shown below appears,then insert [Windows98Se CD-ROM] into your PC and click the [OK] button.

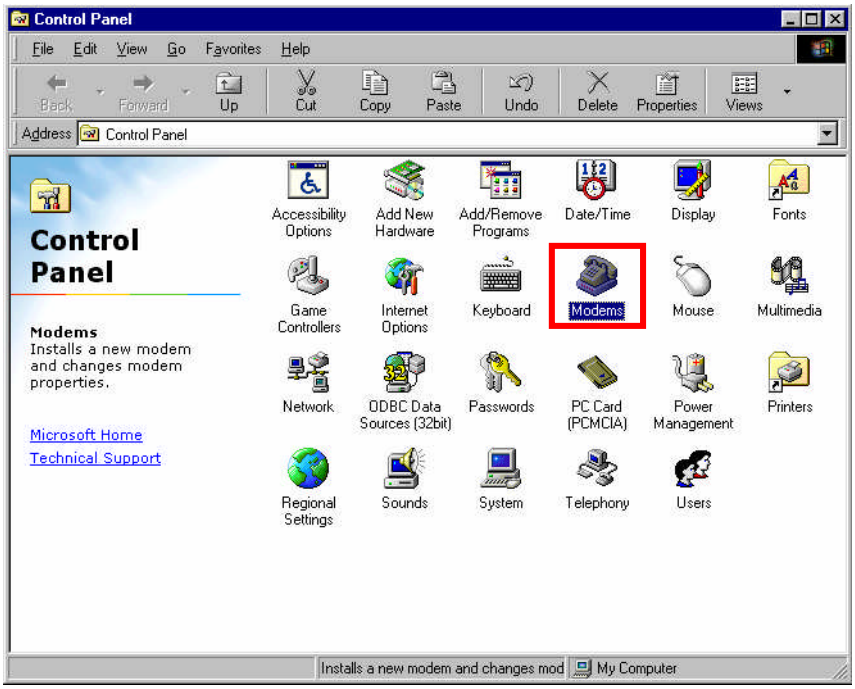


31 Click [Finish].

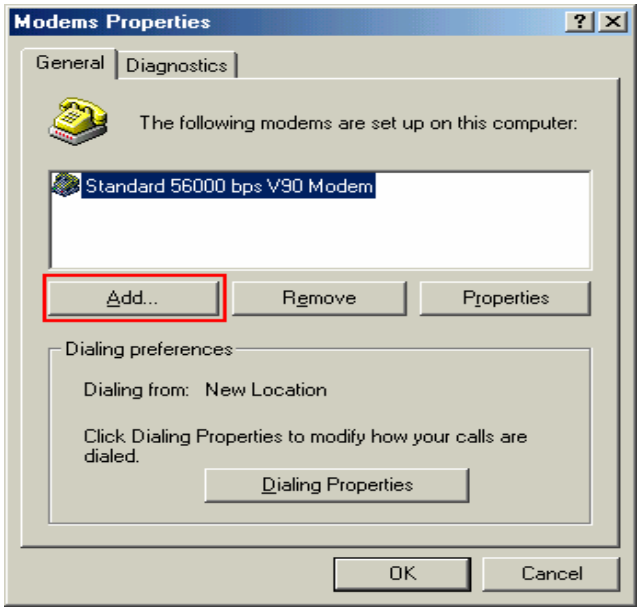
32 The dialog window shown below will appear,click the [Yes] button,and restart your PC.



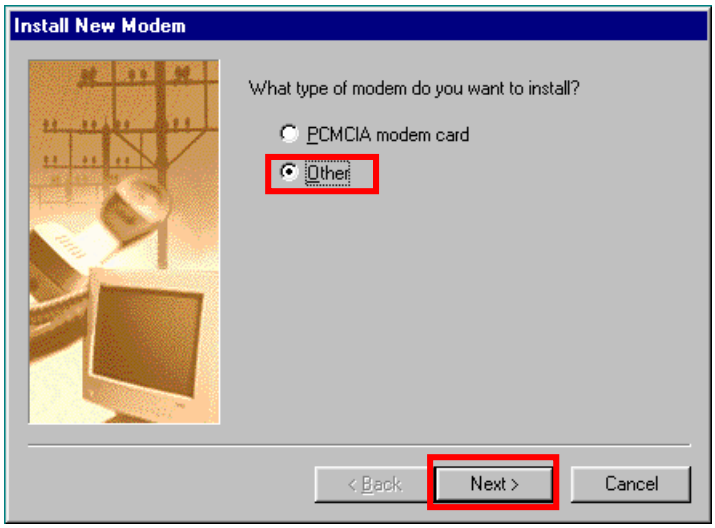
33 Click the [Start] button, followed by selecting [Control Panel] as shown below.
Click [Modems].



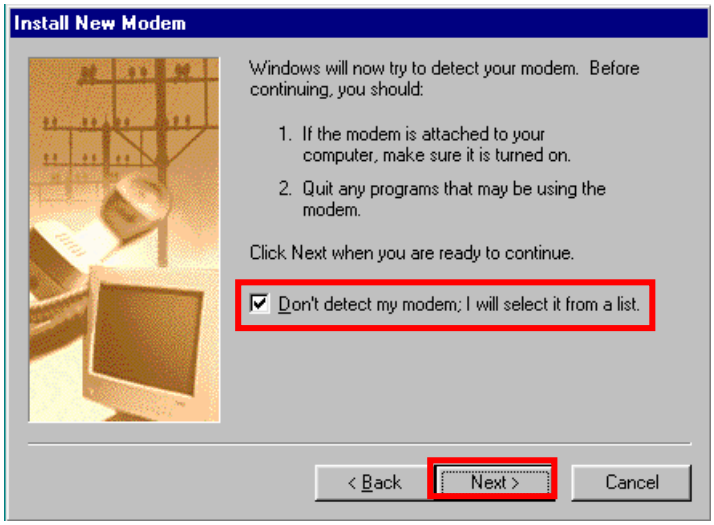
34 If the dialog window shown below appears, click the [Add] button.(If your computer has never had a modem, skip this step and go to next step [Install New Modem].)



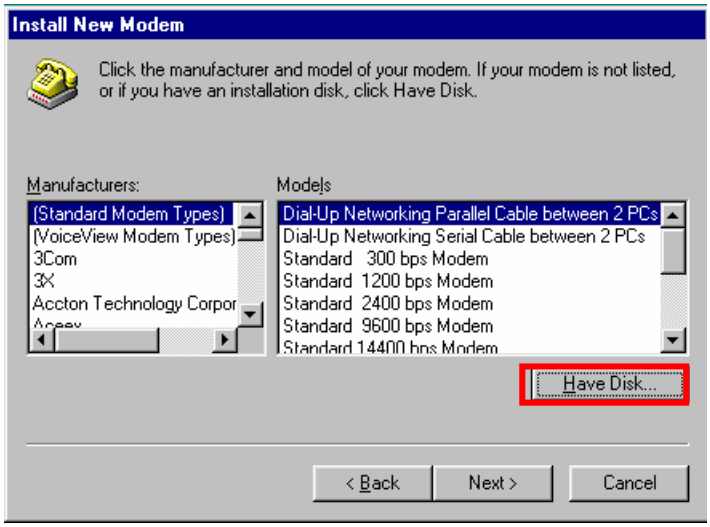
35 Check [other], and click [Next].



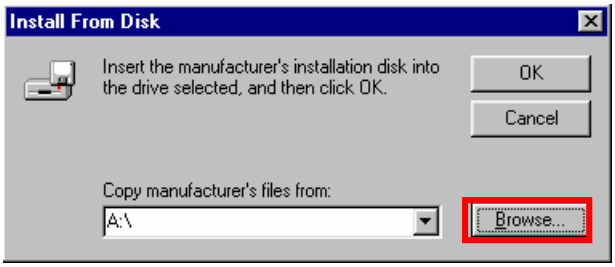
36 Mark the check box labeled [Don't detect my modem,I will select it from a list] and click the [Next] button.



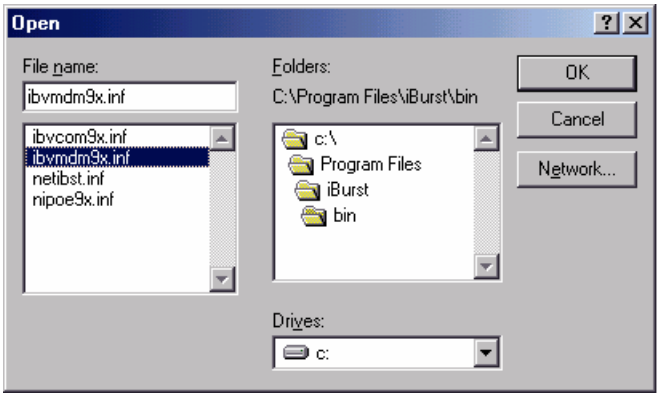
37 Click [Have Disk…].



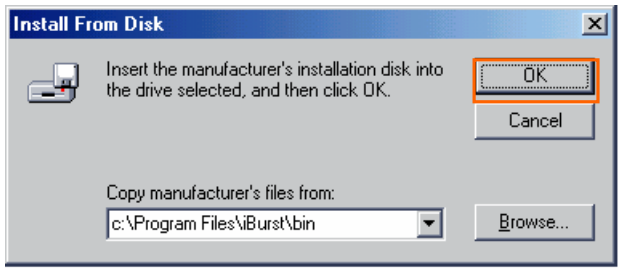
38 Click [Browse] button.



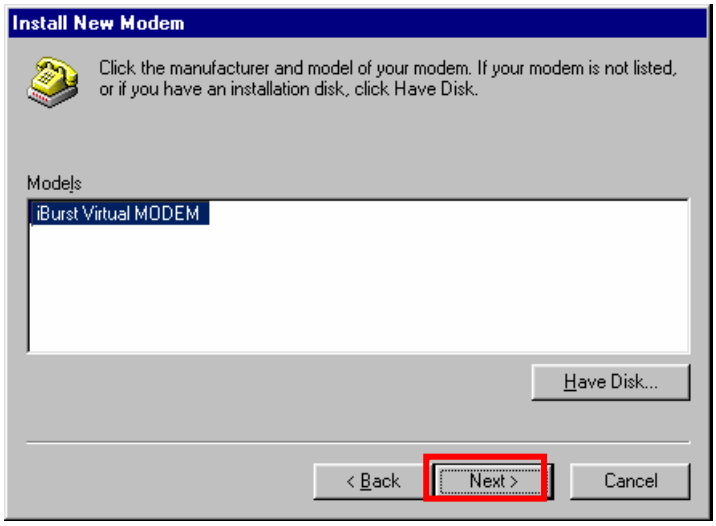
39 Select [C: | Program Files | iBurst | bin | ibvmdm9x.inf],and click [OK].



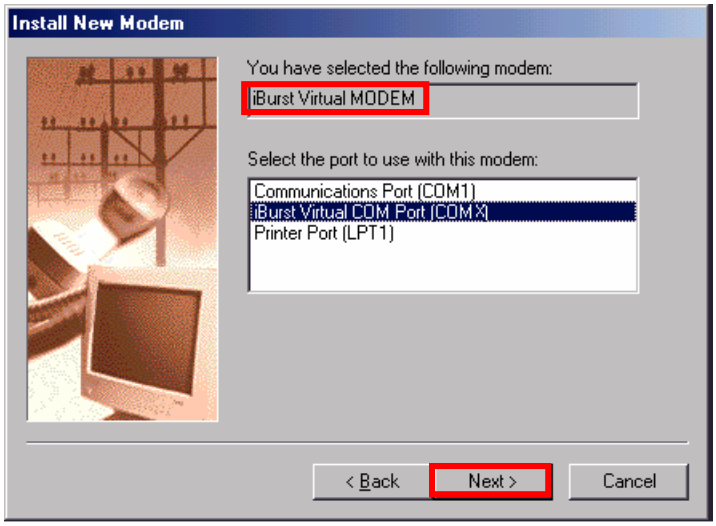
40 Click [OK].



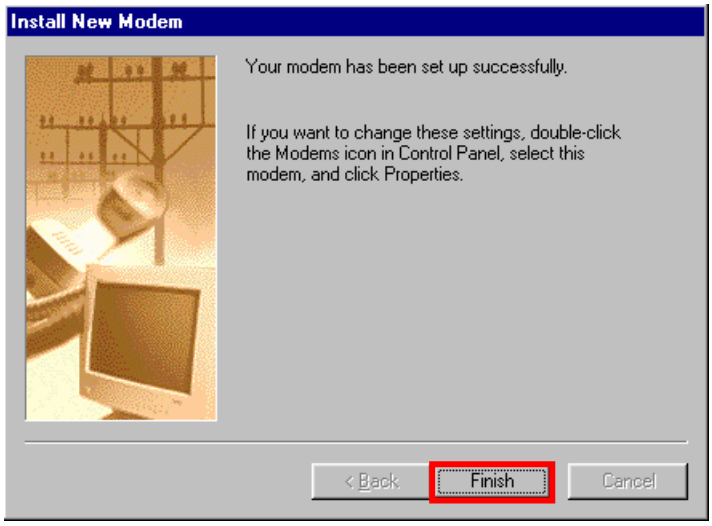
41 Select [iBurst Virtual MODEM], and click [Next].



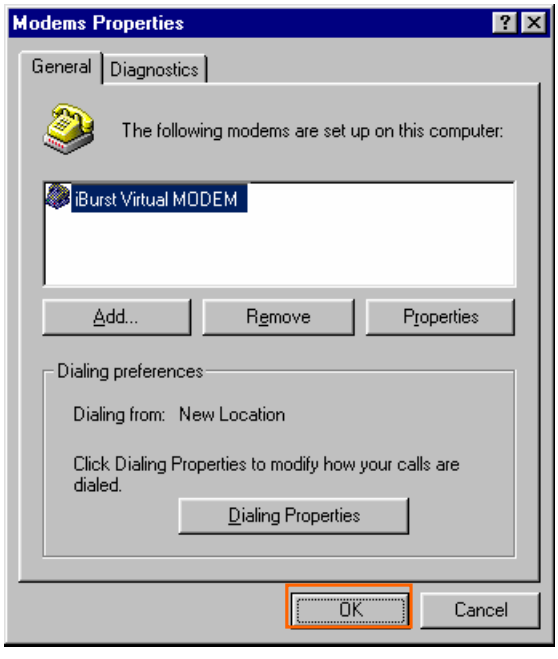
42 Select [iBurst Virtual COM Port (COM X)], and click [Next].



43 Click [Finish] button.

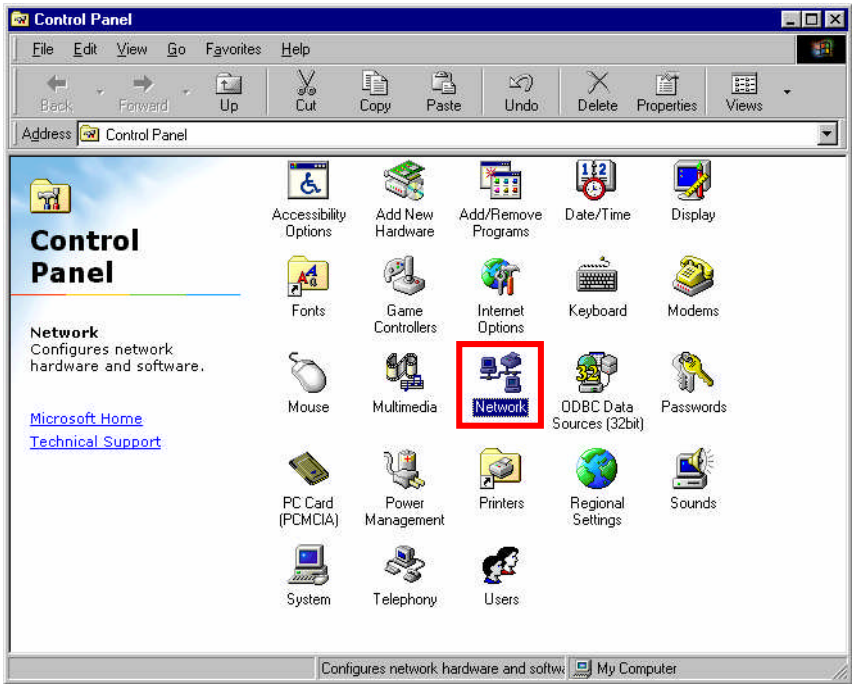


44 Click [OK] button.

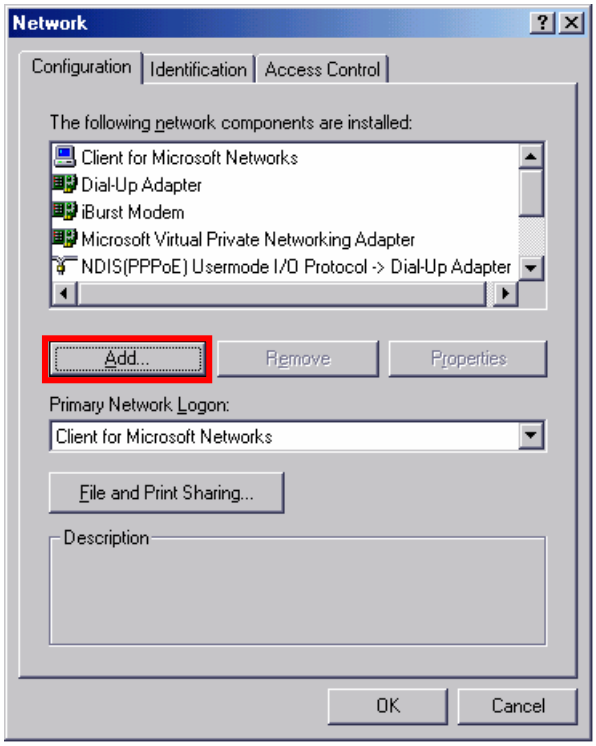


45 Click the [Start] button, followed by selecting [Control Panel] as shown below.

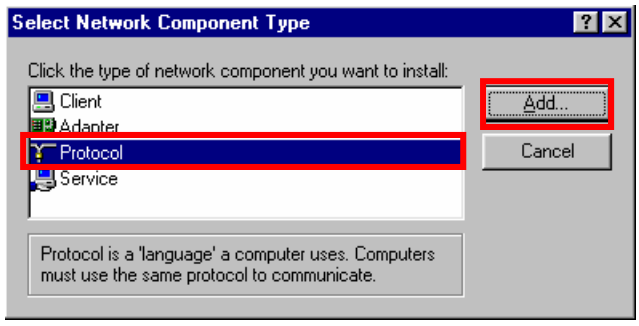
Click [Network].



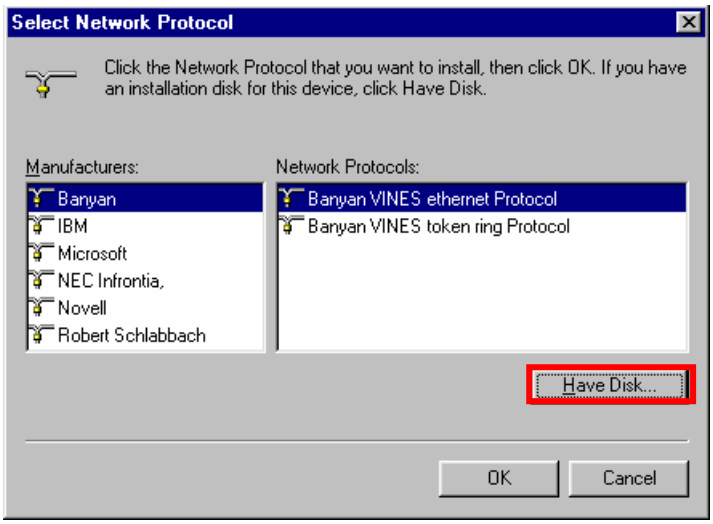
46 Click [Add] on Configulation tab.



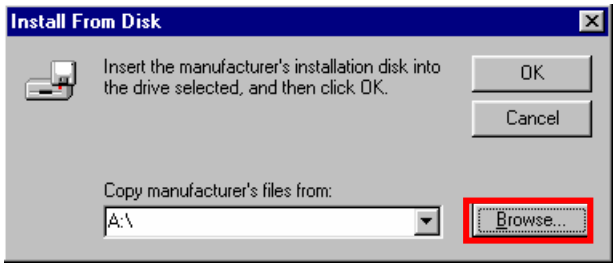
47 Select [Protocol] and click [Add…] button.



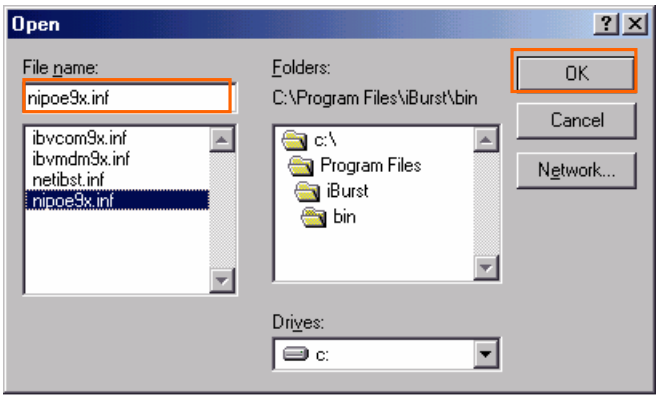
48 Click [Have Disk…] button.



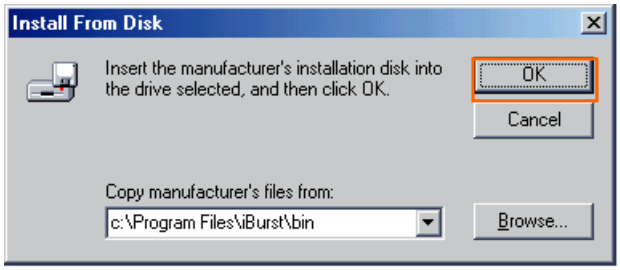
49 Click [Brouse] button.



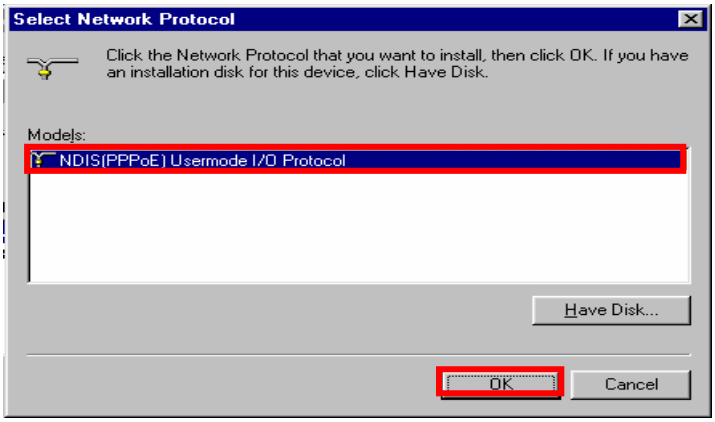
50 Select [C:|Program Files|iBurst|bin|nipoe9x.inf], and click the [OK] button.



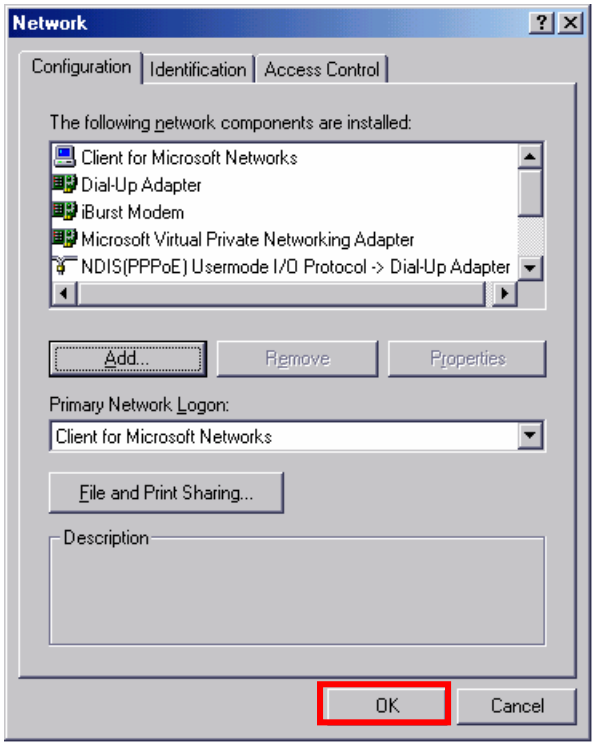
51 Click [OK] button.



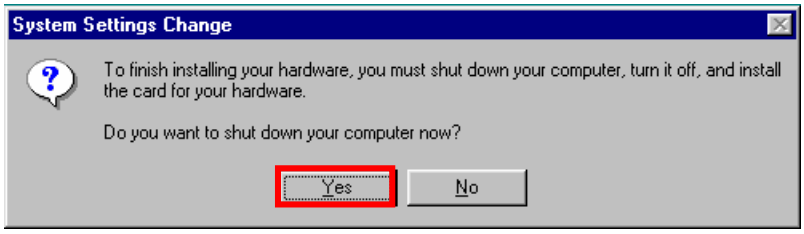
52 Select [NDIS[PPPoE] Usermode I/O Protocol], click [OK].



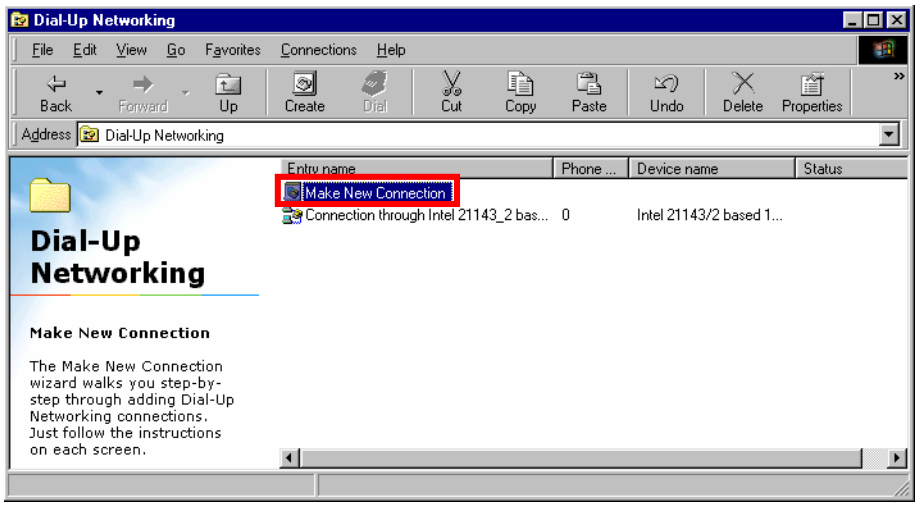
53 Click [OK] button.



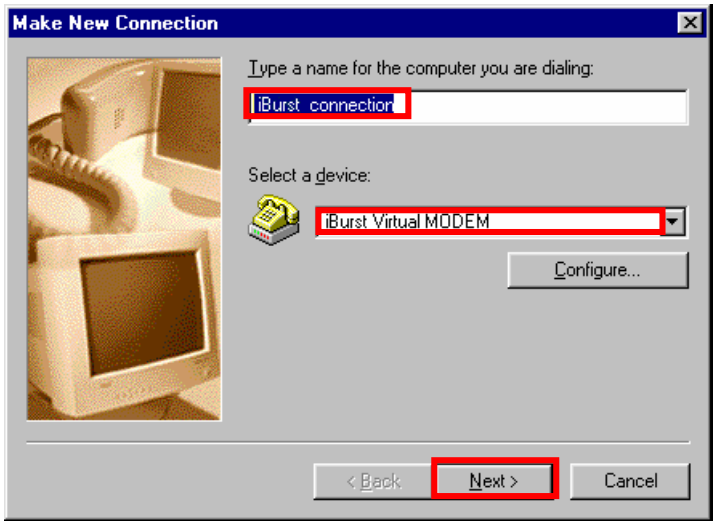
54 The dialog window shown below will appear,click the [Yes] button,and restart your PC.



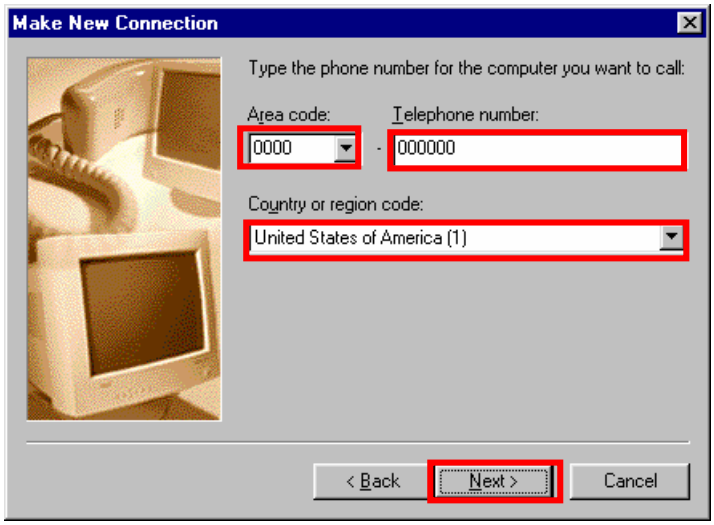
55 Click "Start"→"Programs"→"Accessories"→"Communications"→"Dial-Up Networking",[Dial-Up Networking] window will appear. If [Welcome to Dial-Up Networking] dialog window is displayed, then click [Next]. Double click [Make New Connection] icon if the dialog window is not displayed.



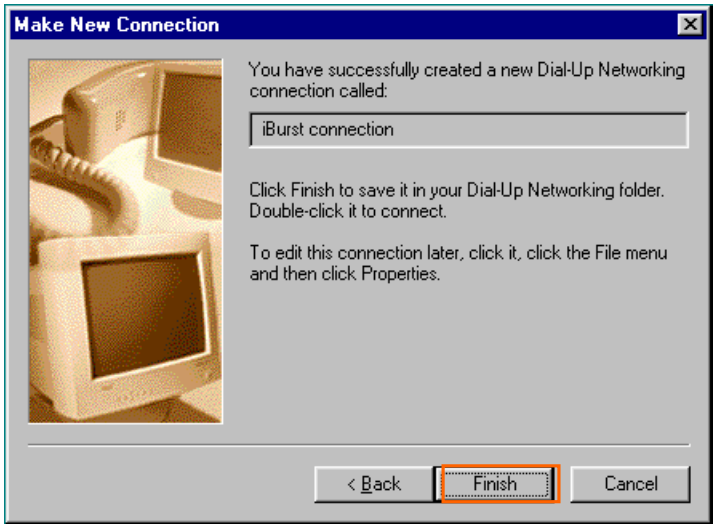
56 Enter "Mobi™ connection" on [Type a name for...] EditBox, and select "iBurst Virtual MODEM", then click the [Next] button.



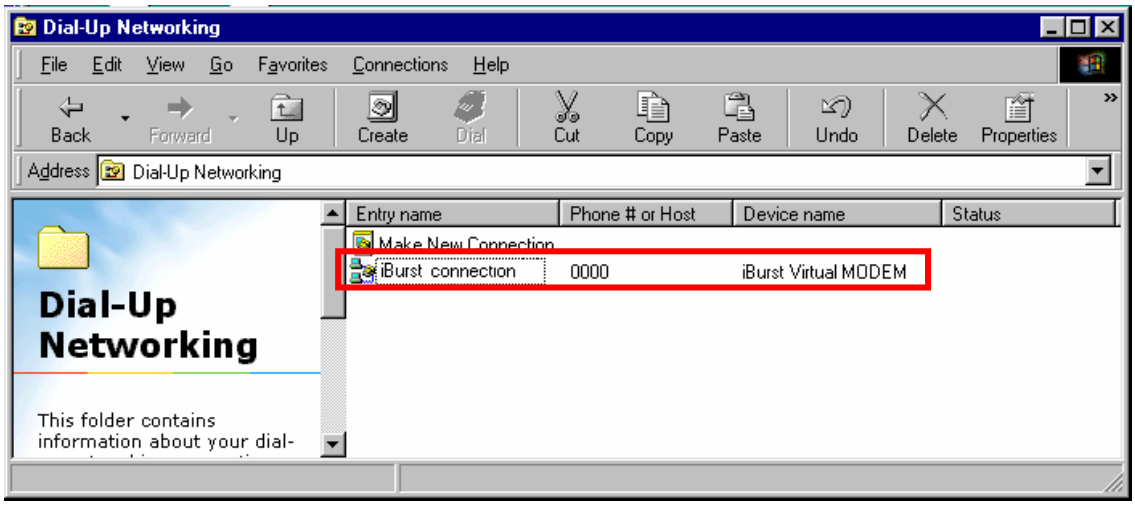
57 Select "United States of America" on [country/region],and enter "0000" on [area code] editbox,"000000" on [Telephone number] editbox,then check "Tone dialing" on [phone system] and click [OK]



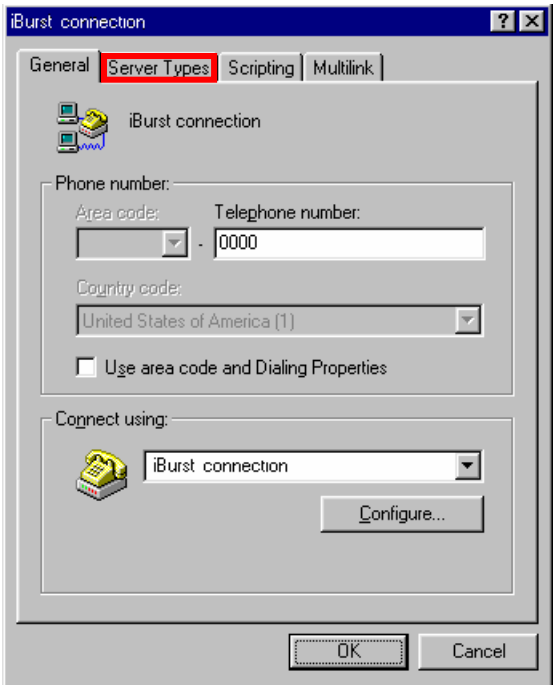
58 Click [Finish].



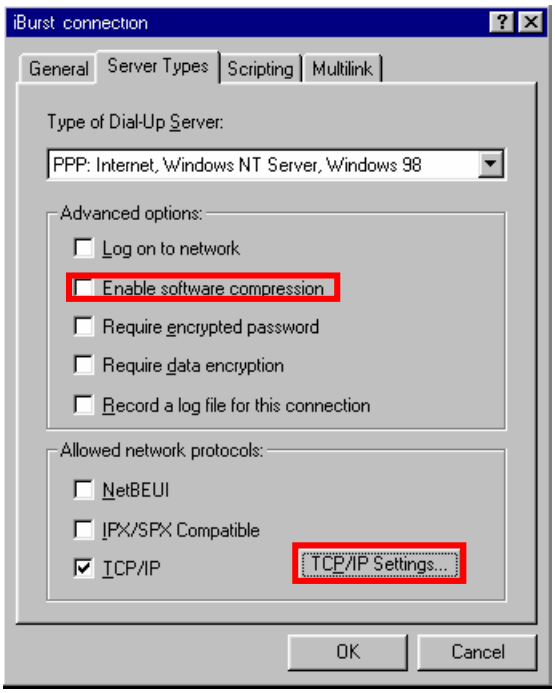
59 If the icon of [Mobi™ connection] is displayed on [Dial-Up Networking] window, right click the icon and select [Properties].



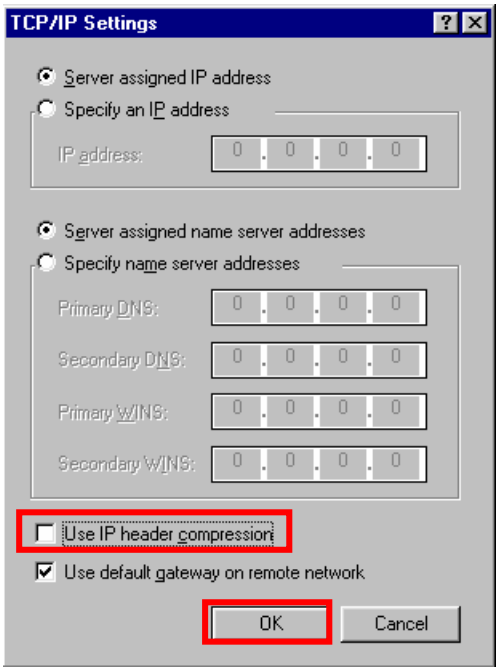
60 Select [Server Types] tab.



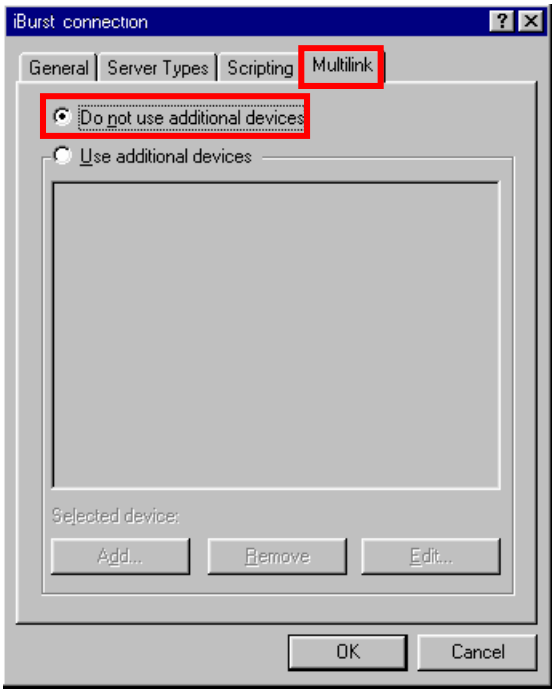
61 Remove a check for [Enable software compression] and Click [TCP/IP Settings].



62 Remove a check for [User IP header compression] and Click [OK].



63 Select [MultiLink] tab and check [Do not use additonal deveices].
Click [OK] button.

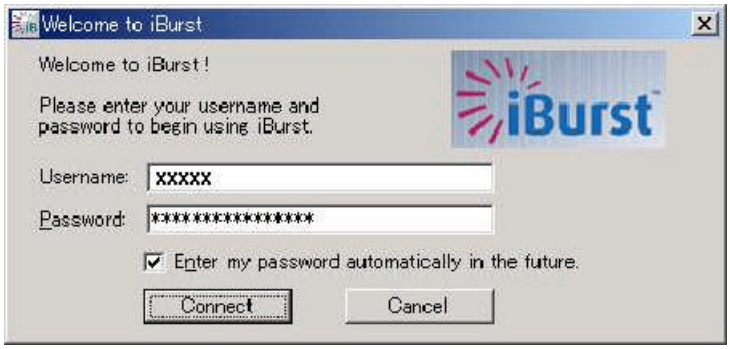


Connection Establishment for Windows 2000/Me/98Se

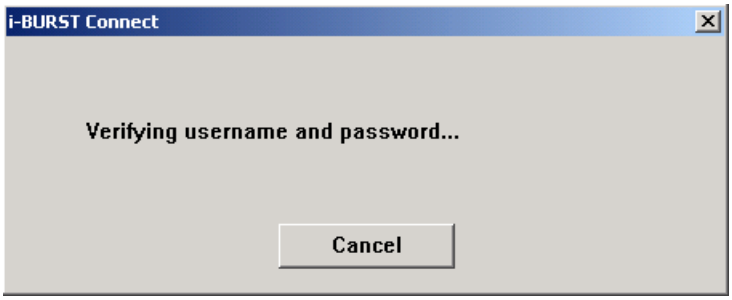
For Windows 2000、Windows Me and Windows98Se,a connection application for Mobi™ is used.

1 Double click the shortcut on the computer's desktop which was created by Mobi™ connection application.

2 Enter user name and password and Click the [Connect] button.



3 While connecting to network, the following connection status window is displayed.



4 If connection is successful, connection icon will be displayed on the taskbar.

Chapter 3
Utility Software

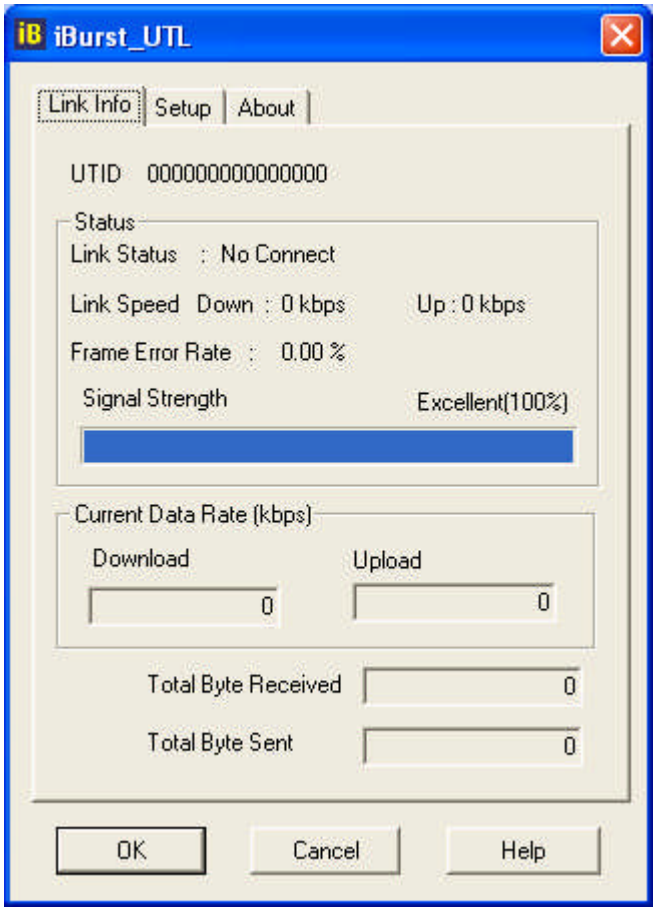
This chapters describe the features and usage of the utility software for Mobi™ Access Card.

Using Utility Software

Using Utility Software for Windows

How to display utility dialog window

1 To open the utility dialog window, click the icon on the computer's task tray. When the window opens, the [Link Info] pane will be displayed as shown below.

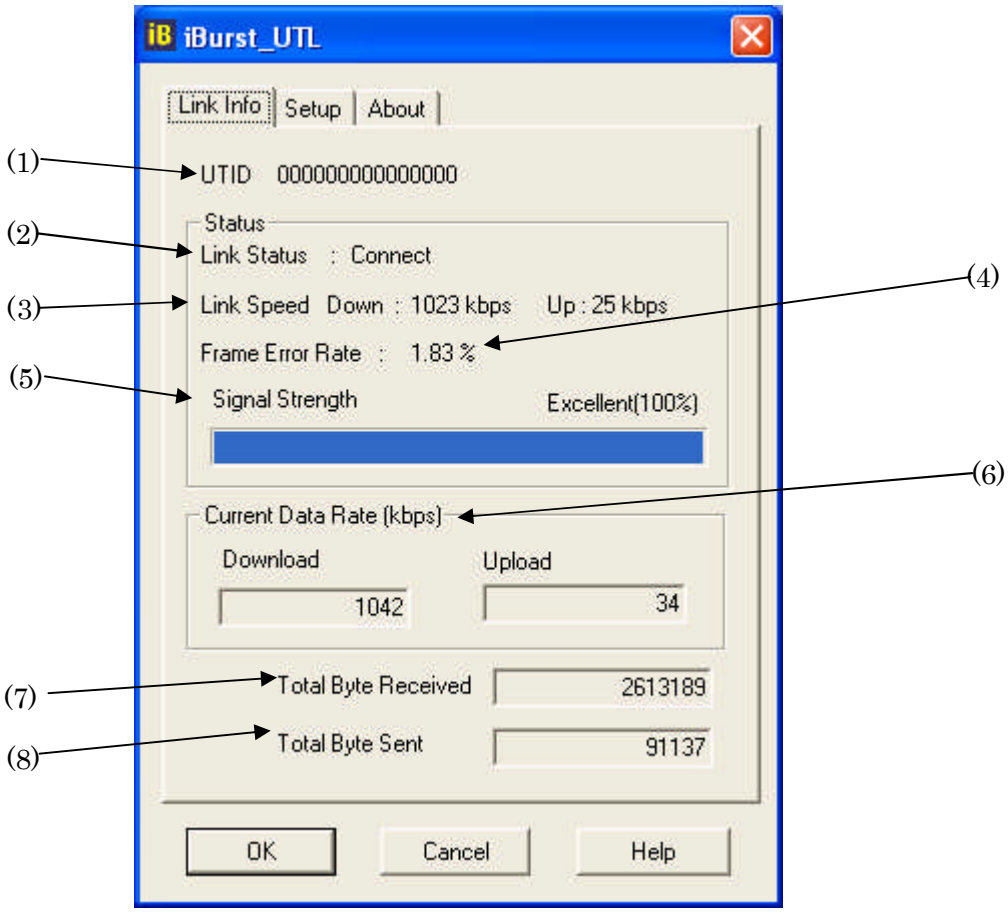


2 To close the utility dialog window, click the [OK] button or the [Cancel] button or the X mark at upper-left corner of the dialog window.

Link Info Pane

Link Info pane can be displayed in the main dialog window bv clicking the [Link Info] tab.

Generally, the elements in the Link Info pane give information about the communication link between Mobi™ Access Card and the access point to the network.



The following describes each item of the Link Info pane.

(1) **UTID**

UTID is used as the identifier of Mobi™ User Terminal.

(2) **Link Status**

Link Status indicates connection state of the communication link between Mobi™ Access Card and the access point.

Connected : The link is connected.

No Connected : Mobi™ Access Card is inserted in the PC Card slot but the link is not connected.

NoCard : There is no Mobi™ Access Card inserted in the PC Card Slot.

(3) **Link Speed**

Link Speed indicates speed of the link in both down and up direction.

(4) Frame Error Rate

Frame Error Rate indicates the FER of the received data.

(5) Signal Strength

Signal Strength indicates the signal strength of the received signal. Here, two kinds of indicators, percentage indicator and 5-step indicator, are used to indicate the received signal strength.

The percentage indicator is the RSSI value in percent. On the other hand, the 5-step indicator shows performance of the received signal in words as follows.

No Signal : RSSI = 0%
Poor : RSSI is in the range of 1~ 24%
Fair : RSSI is in the range of 25~ 49%
Good : RSSI is in the range of 50~ 74%
Excellent : RSSI is in the range of 75~ 100%

(6) Current Data Rate

Current Data Rate indicates the current transmission throughput and the reception throughput.

(7) Total Byte Received

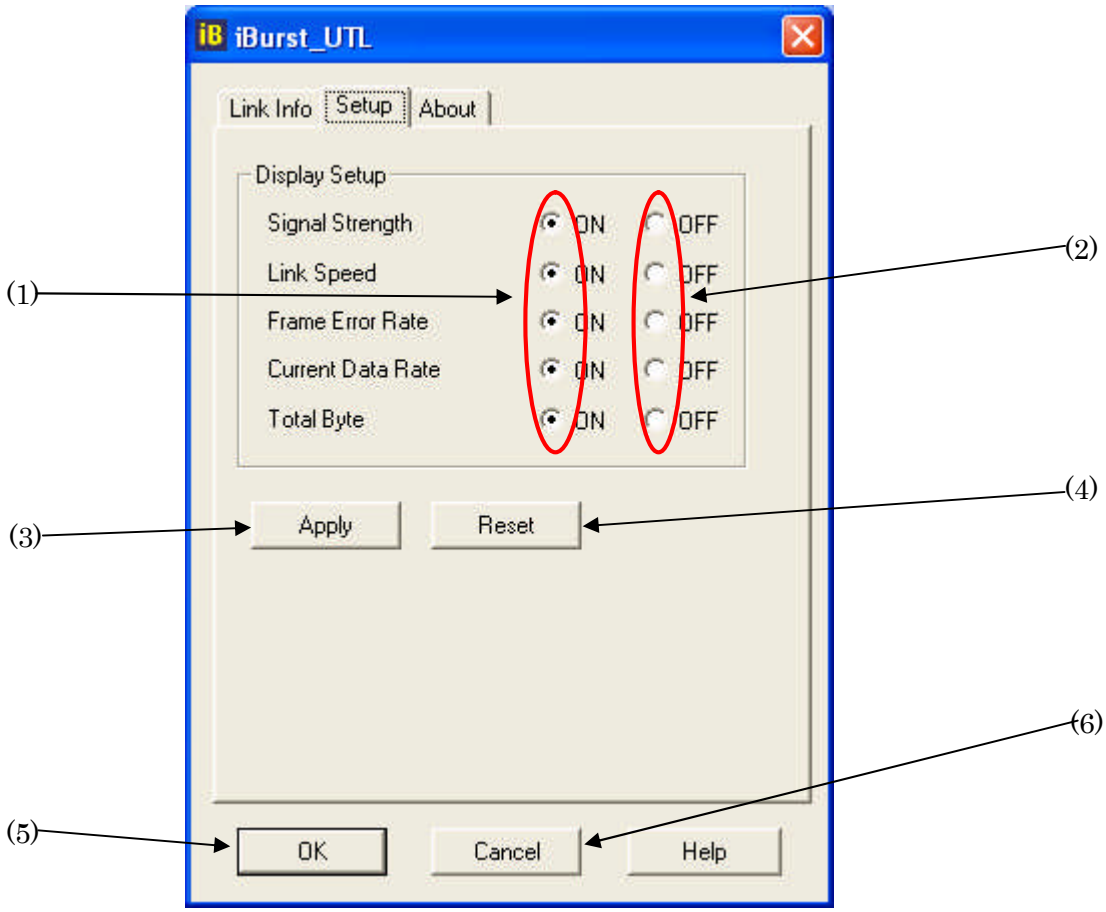
Total Byte Received indicates the total number of bytes of the data which Mobi™ Access Card has received from the access point since the communication link is established.

(8) Total Byte Sent

Total Byte Sent indicates the total number of bytes of the data which Mobi™ Access Card has transmitted to the access point since the ommunication link is established.

Setup Pane

Setup pane can be displayed in the main dialog window by clicking the [Setup] tab. Setup pane is used to configure the display items in the Link Info pane.



The following describes usage of each item of the above figure.

(1) Check the [ON] radio buttons at the right hand side of the items you want to display in the Link Info pane.

(2) Check the [OFF] radio buttons at the right hand side of the items you don't want to display in the Link Info pane.

(3) The configuration shown in the Display Setup subpane is activated by checking the [Apply] button.

(4) The configuration in the Setup pane can be set to default (Default is the state in which all radio buttons on the right hand side of display items are set to "ON".) by clicking the [Reset] button.

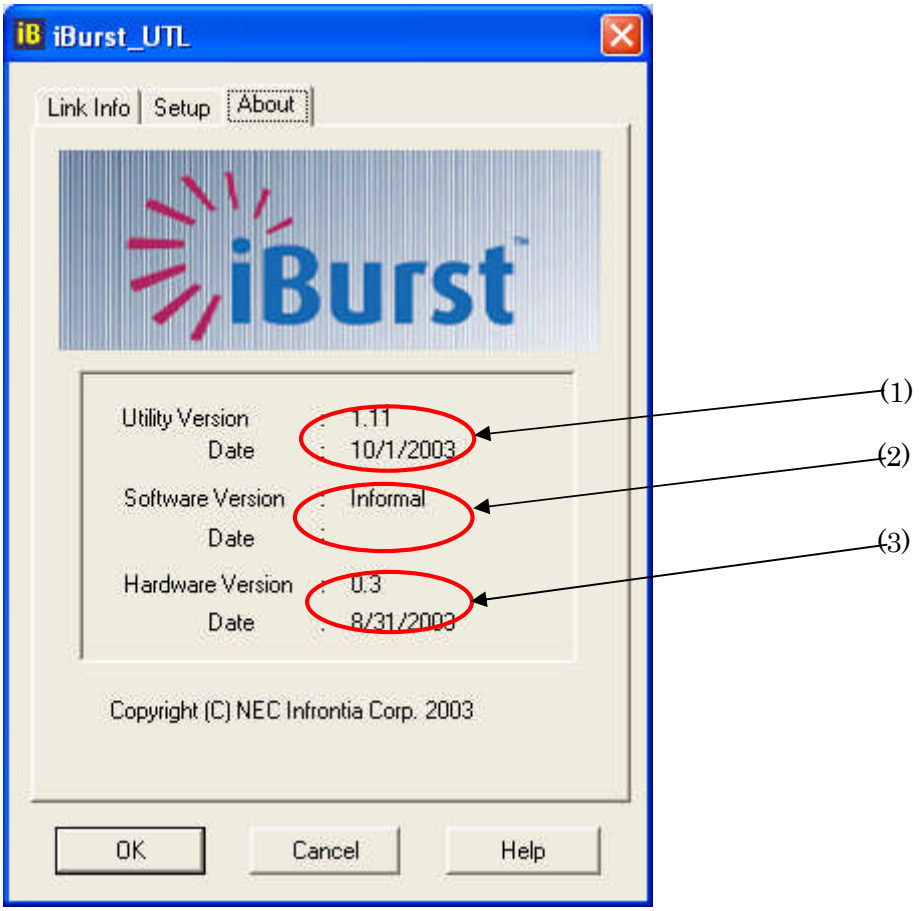
(5) By clicking the [Ok] button, the current configuration will be activated and the dialog window will be closed.

(6) By clicking the [Cancel] button, the dialog window will be closed but the current configuration

won't be activated.

About Pane

About pane is used to display the version numbers of utility, software and hardware and show copyright notice.



The following describes the function of each item of the About pane.

(1) This shows the version number and the release date of the Utility Software.

(2) This shows the firmware version and the build date of Mobi™ Access Card in use.

(3) This shows the hardware version and the buld date of Mobi™ Access Card in use.

Icon Display in Tasktray

When the utility software for Mobi™ Access Card is active, an icon of the utility software will be displayed in the task tray of the computer monitor according to communication activities on Mobi ™ Access Card.

The following shows the relation between the icons to be displayed in computer's task tray and activities on Mobi™ Access Card.

Icon	Activities on Mobi™ Access Card
	Mobi™ Access Card is not inserted in the PC Card slot.
	There is no action of transmission or reception on Mobi™ Access Card.
	Mobi™ Access Card is transmitting data.
	Mobi™ Access Card is receiving data.
	Mobi™ Access Card is both transmitting and receiving data.

From the task tray icon, user may also get information of **Link Status, Total Byte Received, Total Byte Sent, Signal Strength,** which is displayed in the Link Status pane of the utility dialog window, without opening the dialog window. This can be done by placing the mouse's pointer over the currently displayed icon of the utility software. The below figure shows an image of what happens when the mouse pointer is placed on the task tray icon.

Chapter 4
Uninstalling Mobi™ Software

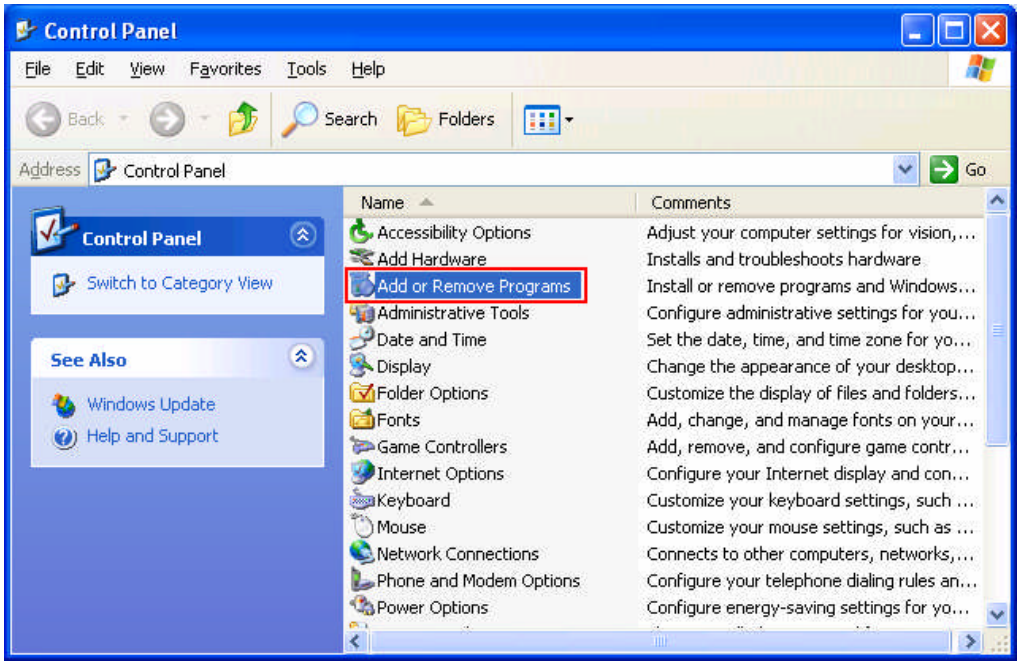
This chapter describes how to uninstall Mobi™ software.

Uninstallation for Windows XP/2000

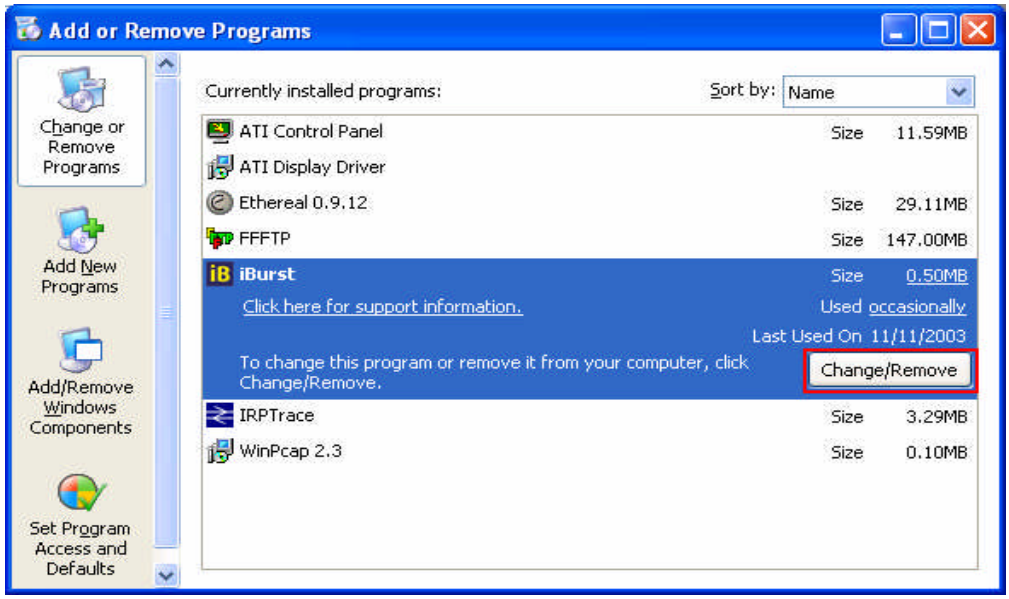
1 Close all programs that are currently running.

2 Remove the Mobi™ Access Card from the computer.

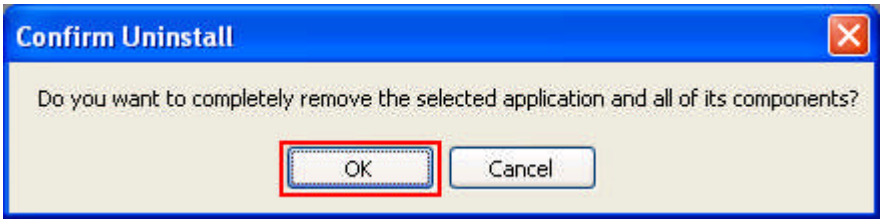
3 Click the [Start] button, followed by selecting [Control Panel] as shown below.
Click [Add or Remove Programs].



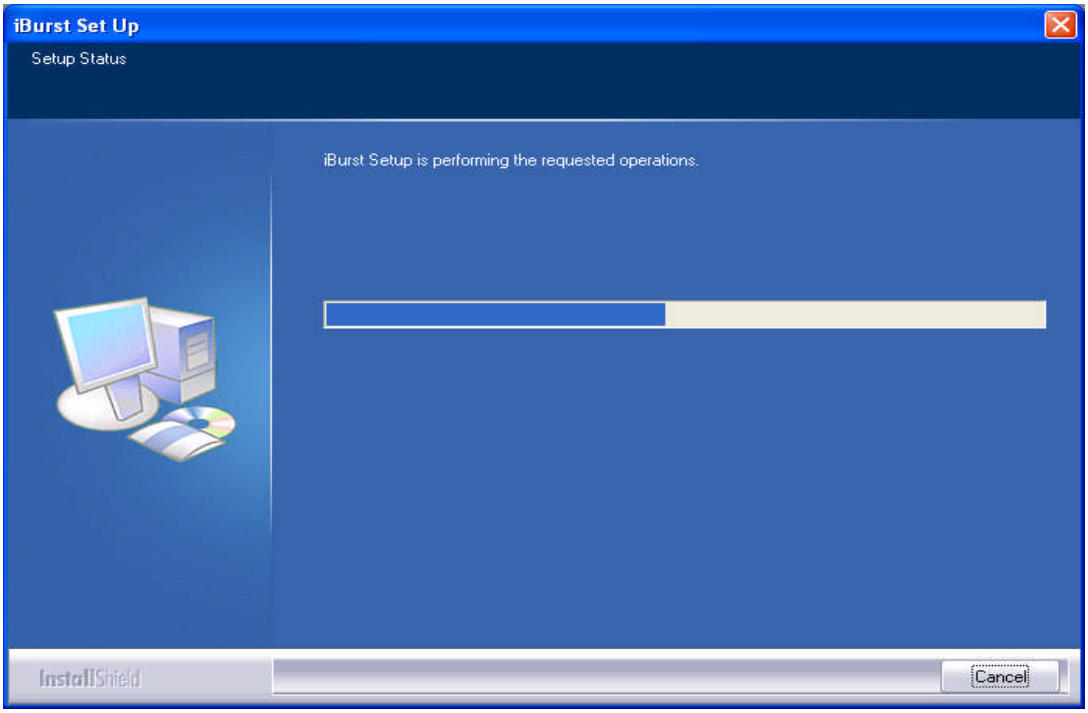
4 Select [iBurst] software, and click the [Change/Remove] button.



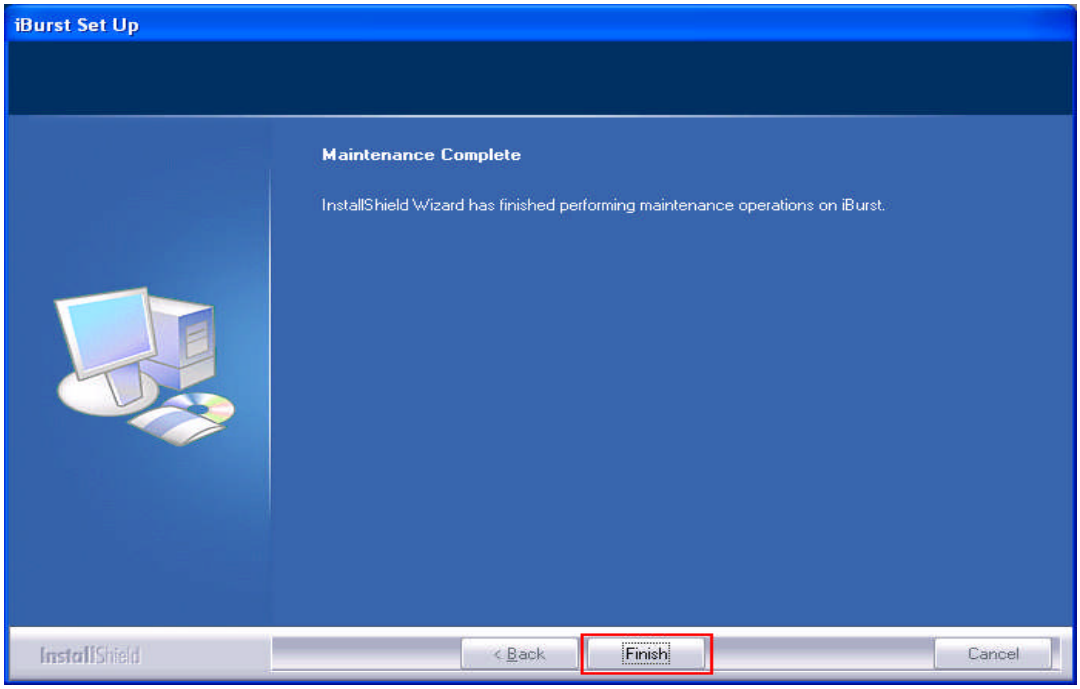
5 Click the [OK] button after appearing dialog window as shown below.



6 The following dialog window will appear, and uninstallation of software begins.



7 Click the [Finish] button after appearing dialog window as shown below.

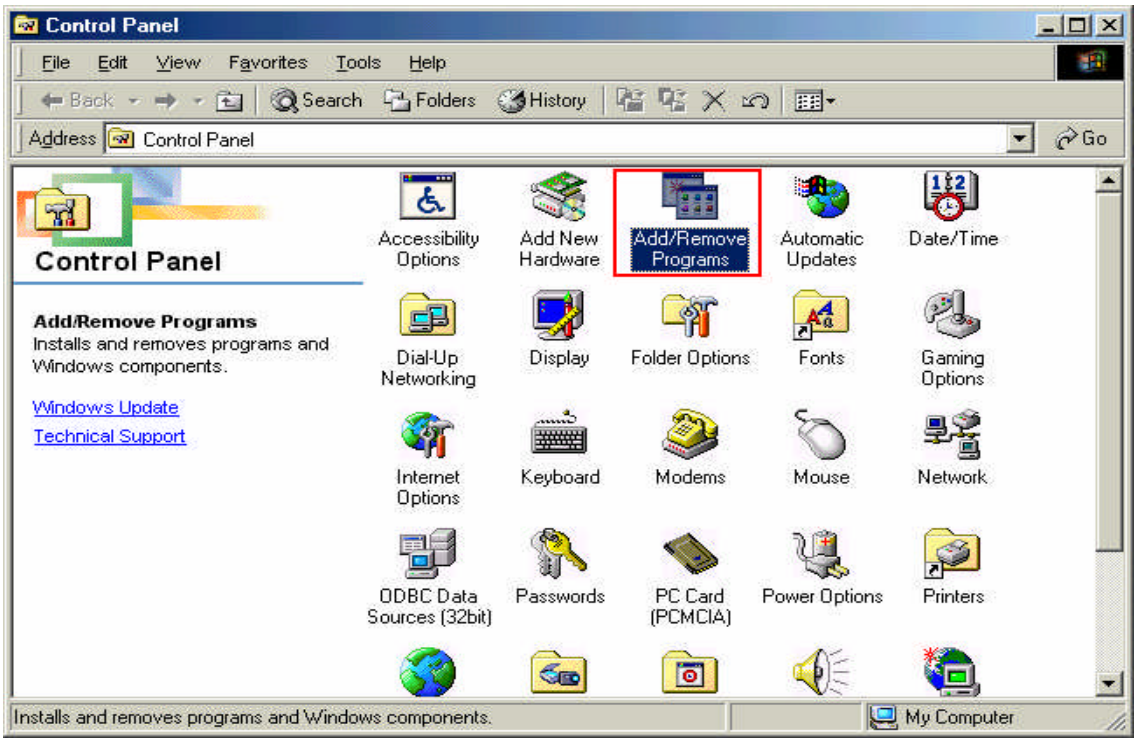


Uninstallation for Windows Me/98Se

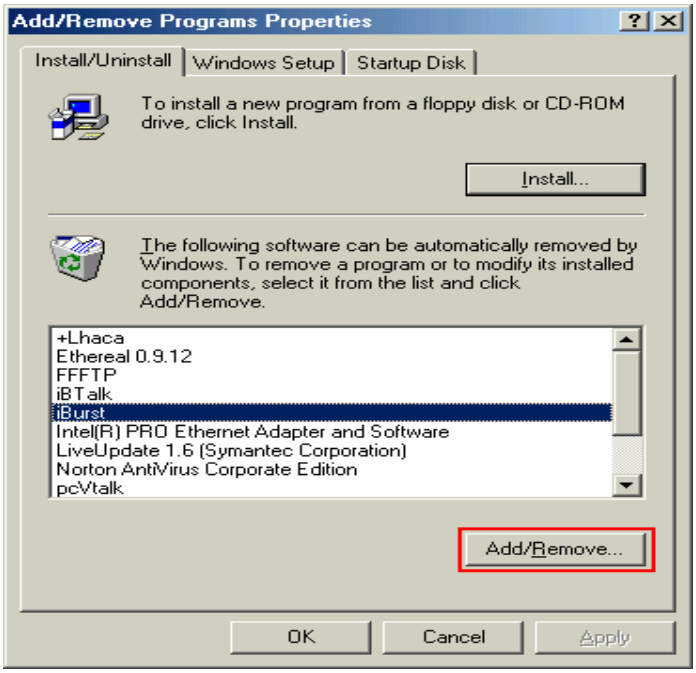
1 Close all programs that are currently running.

2 Remove the Mobi™ Access Card from the computer.

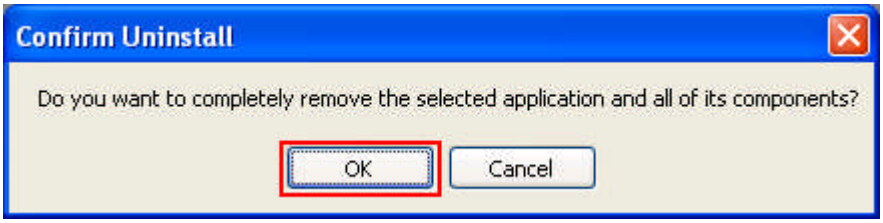
3 Click the [Start] button, followed by selecting [Control Panel] as shown below.
Click [Add/Remove Programs].



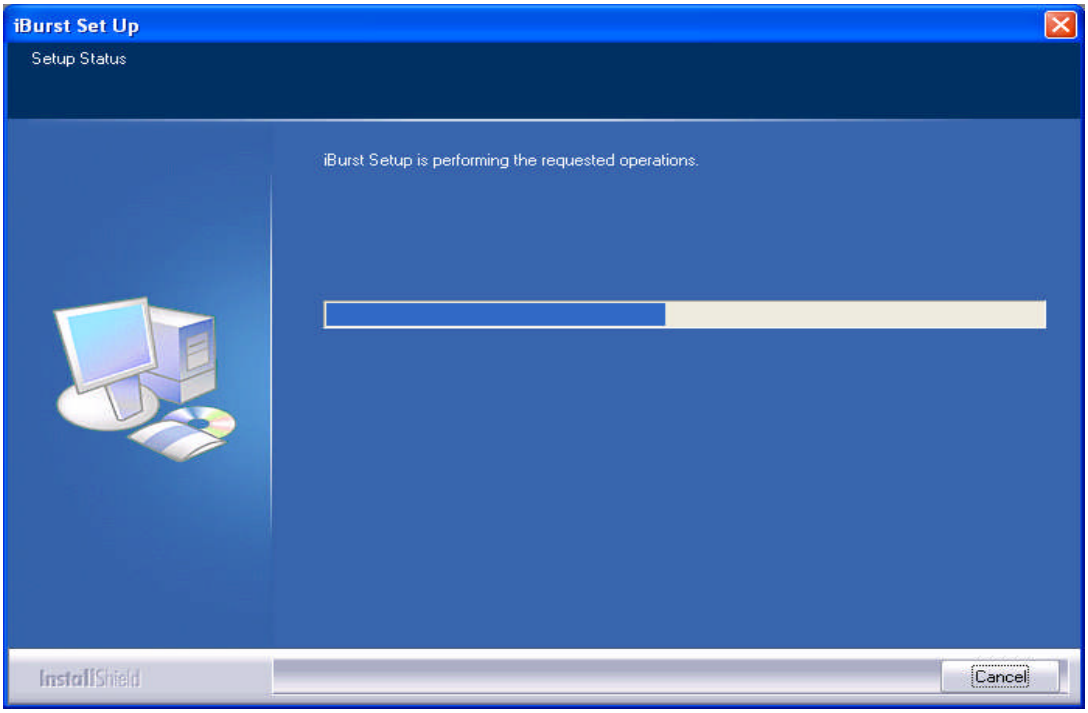
4 Select [iBurst] software,and click the [Add/Remove] button.



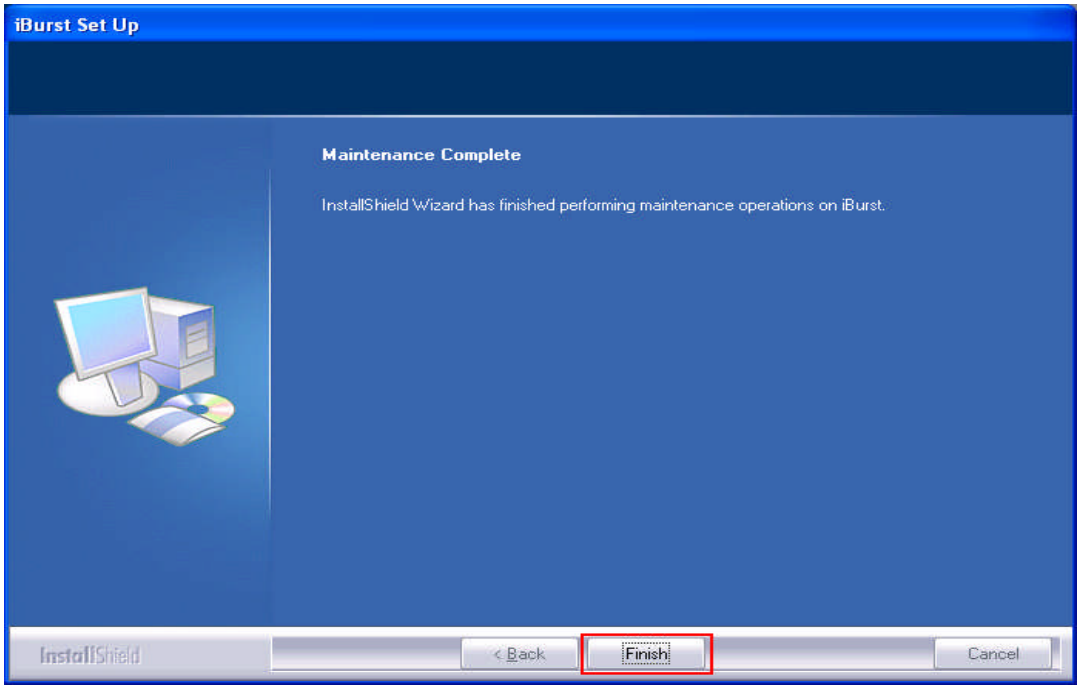
5 Click the [OK] button after appearing dialog window as shown below.



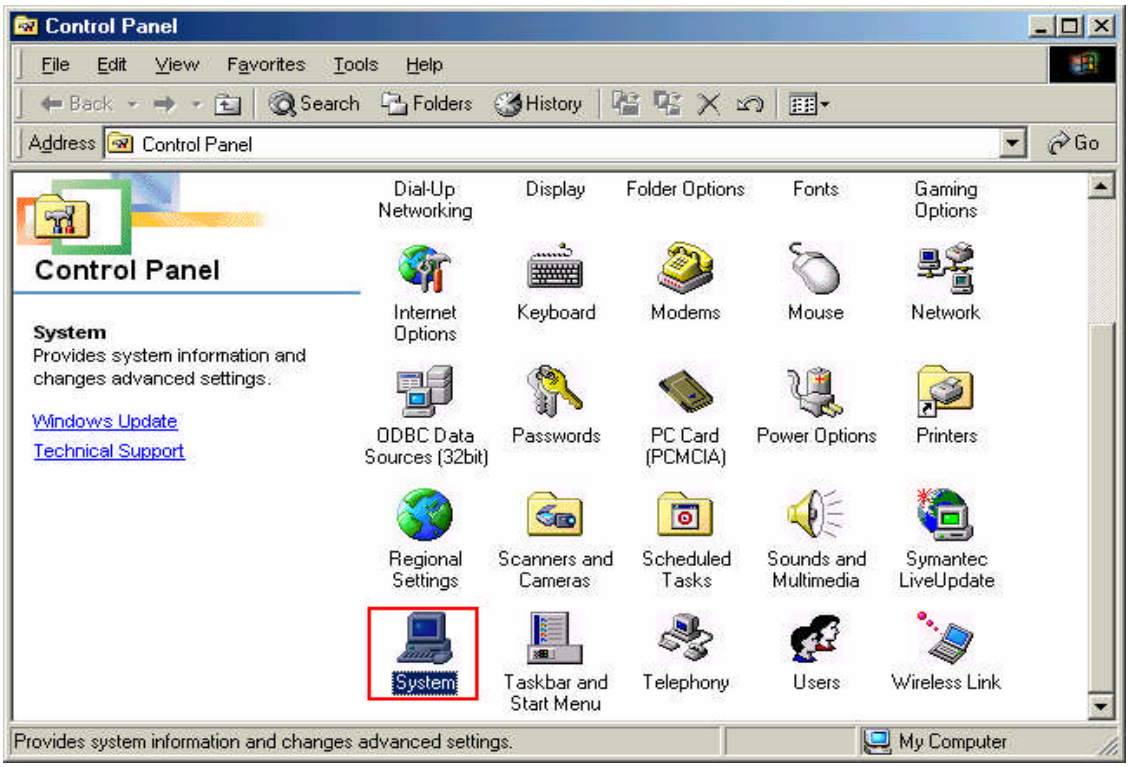
6 The following dialog window will appear, and uninstallation of software begins.



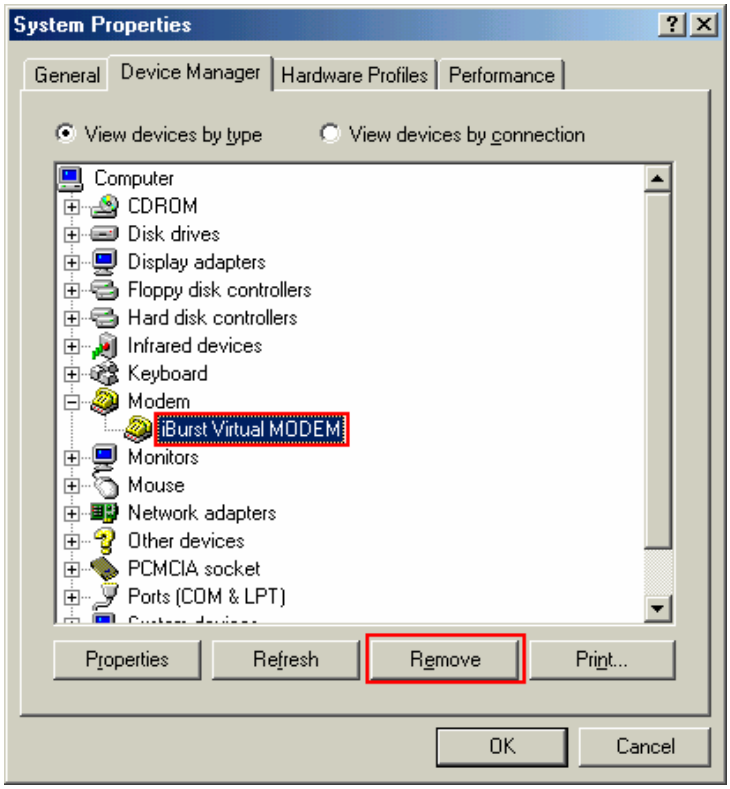
7 Click the [Finish] button after appearing dialog window as shown below.



8 Click the [Start] button, followed by selecting [Control Panel] as shown below.
Click [System].

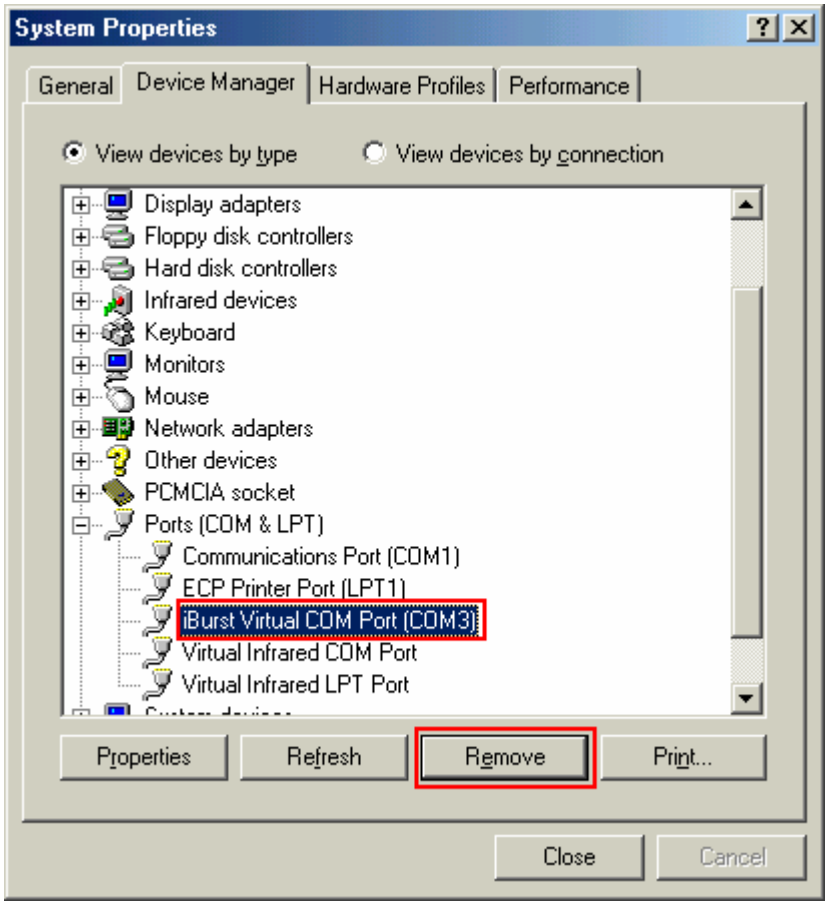


9 Select [iBurst Virtual MODEM] on Device Manager tab, then click the [Remove] button.

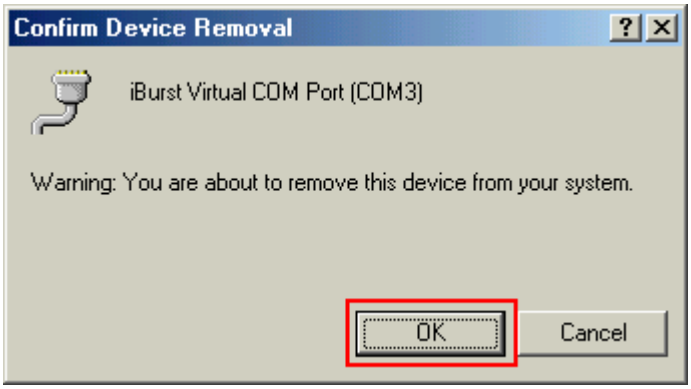


10 Click the [OK] button.

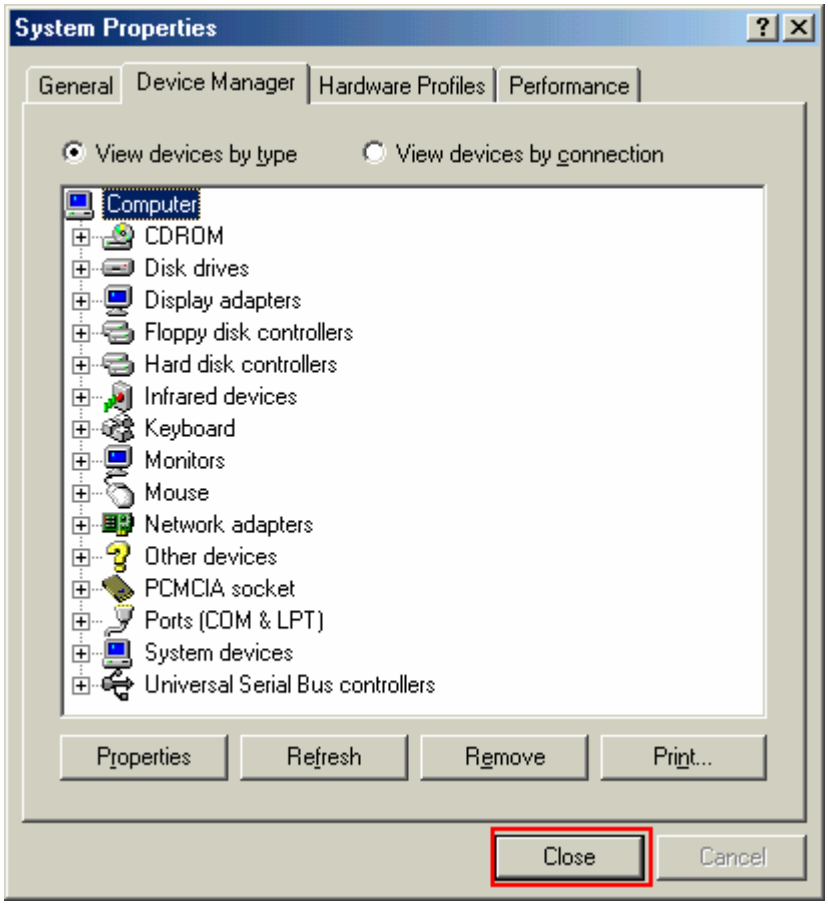
11 Select [iBurst Virtual COM Port(COMx)] on Device Manager tab, then click the [Remove] button.



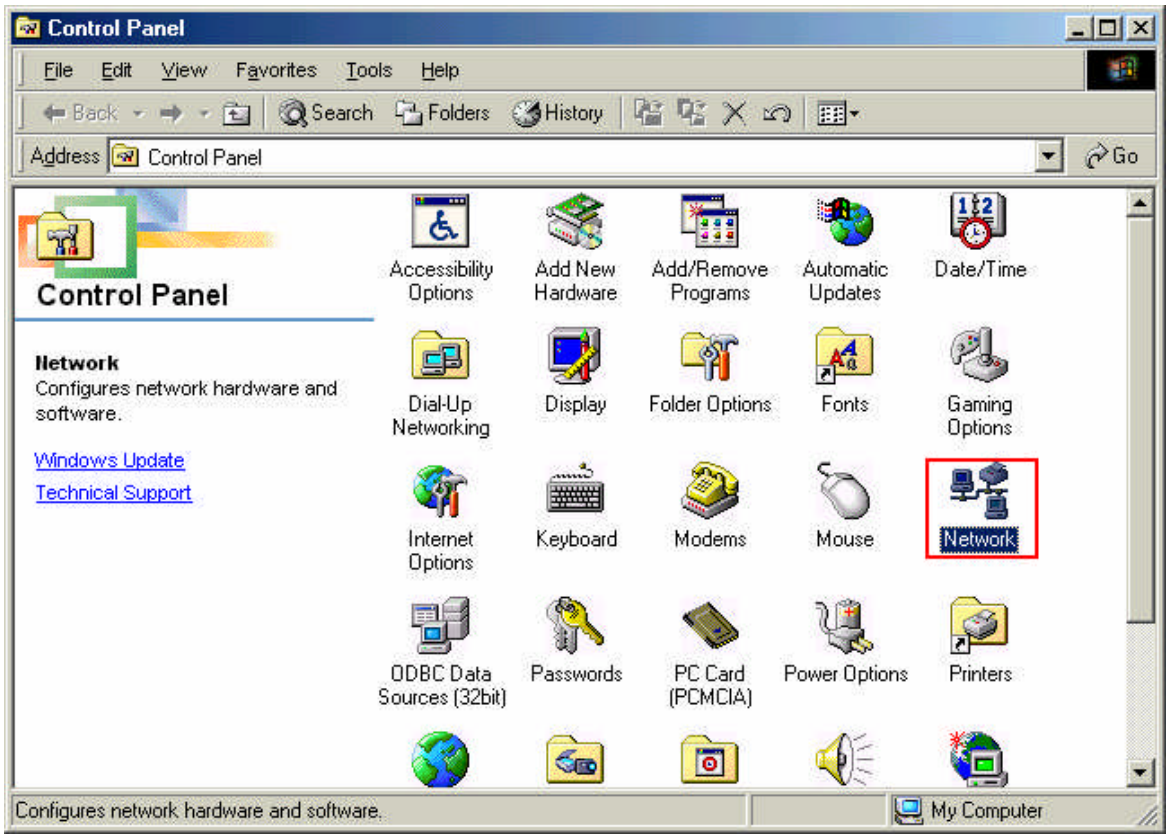
12 Click the [OK] button.



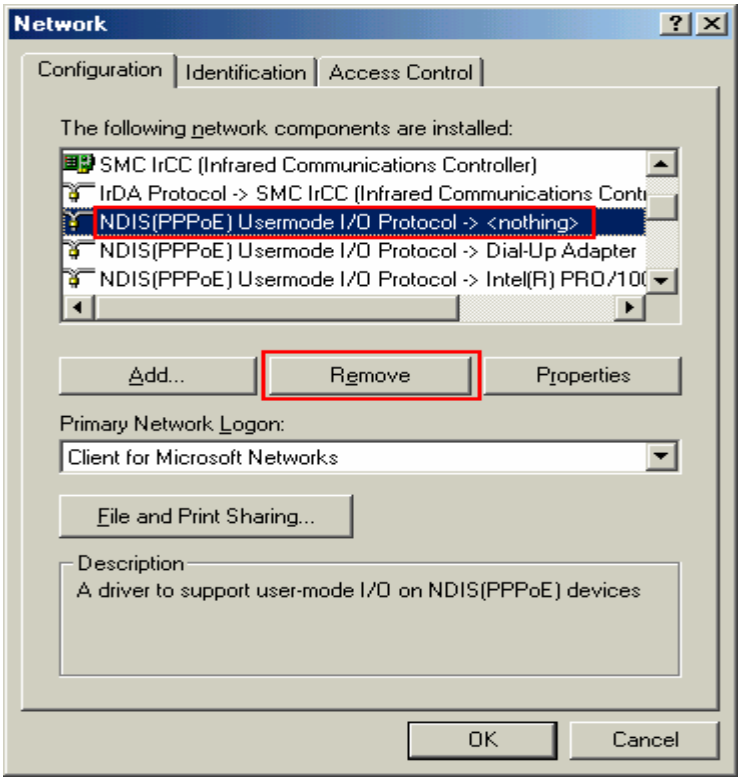
13 Click the [Close] button.



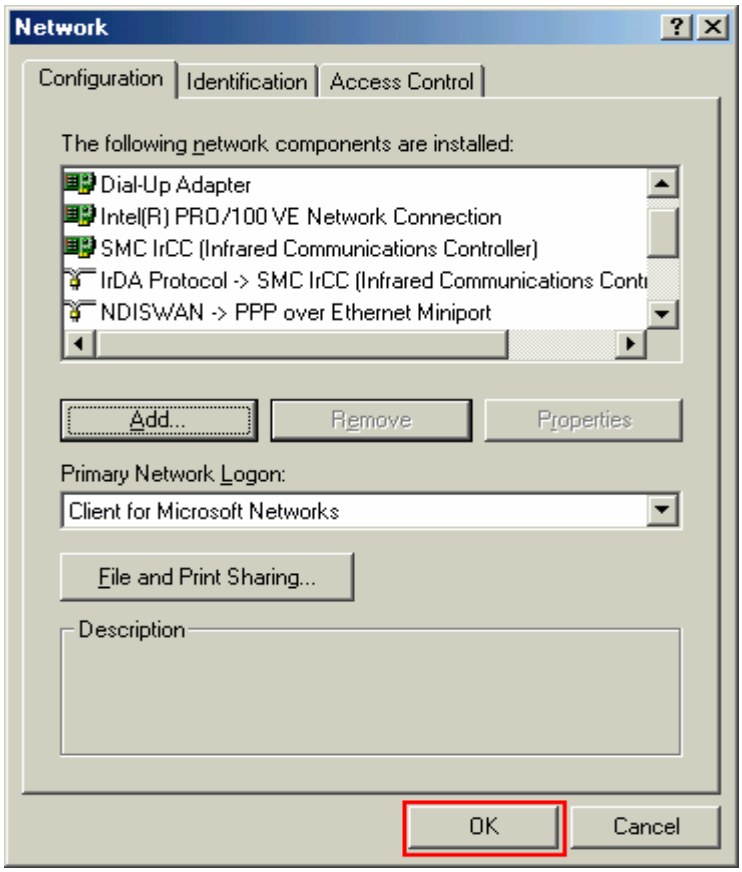
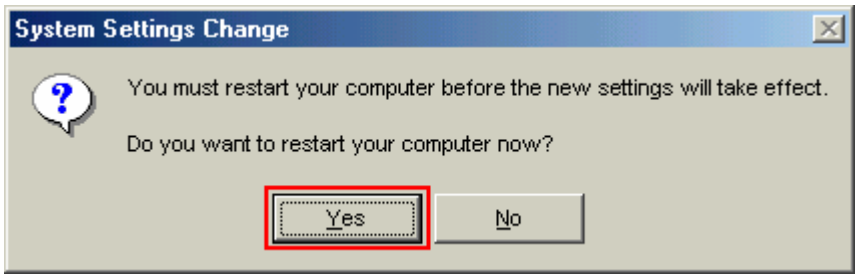
14 Click the [Start] button, followed by selecting [Control Panel] as shown below.
Click [Network].



15 Select [NDIS(PPPoE)Usermode I/O Protocol-> xxxxxx] on Configuration tab, then click the [Remove] button.(Repeat the above steps if the other [NDIS(PPPoE)Usermode I/O Protocol] components are installed.)



16 Click the [OK] button.



17 The dialog window shown below will appear,click the [Yes] button,and restart your PC.